



# ECO INDUSTRY

## DONJI KRALJEVEC - CROATIA

**DESIGN, PRODUCTION, SERVICE  
AND MAINTENANCE OF EQUIPMENT AND  
MACHINERY FOR ENVIRONMENTAL  
PROTECTION, WASTE RECYCLING,  
COMPOSTING, PRODUCTION  
OF RDF FUEL AND WATER  
TREATMENT**

*solar energy 1 MW*



PRELOG  
ZAGREB

**KNOW-HOW • INNOVATION • EXPERIENCE • TECHNOLOGY  
• CONSULTING • DESIGNING •  
• MANUFACTURING •**



# 2019



**SATISFIED CUSTOMER IS OUR INTEREST**



# WE ARE YOUR PARTNER IN ENVIRONMENTAL PROTECTION LET'S GO FURTHER TOGETHER!

The company Tehnix is the leading eco-industry in the world. The Tehnix's business goal is to develop and produce the best technology for achieving sustainable development and circular economy. We have developed and produced more than 300 devices and equipment for environmental protection, for which we have received hundreds of world awards and medals. We have developed the best MBO-Te waste recycling technology. By applying our technology, municipal waste becomes an economic resource. Through industrial recycling of mixed communal waste we get 8 types of raw materials, produce eco compost and RDF fuel. Together with you we want to develop industrial recycling of municipal waste in your city, municipality or county. This will contribute to stopping climate changes of the planet Earth. The MBO-Te is the technology of the future for achieving circular economy and sustainable development.

Inventor - CEO of the company Tehnix  
Đuro Horvat

## PRODUCTION PROGRAM TEHNIX

1. FACTORIES FOR MIXED MUNICIPAL WASTE TREATMENT
2. SORTING PLANTS FOR CLEANING AND BALING OF RAW MATERIALS FROM WASTE
3. FACILITIES FOR COMPOSTING OF BIODEGRADABLE WASTE
4. RELOADING STATIONS FOR MIXED MUNICIPAL WASTE
5. EQUIPMENT FOR RECOVERY AND REMOVAL OF OLD LANDFILLS
6. DEVICES FOR WASHING AND DESINFECTION OF UTILITY VEHICLES
7. SPECIAL COMMUNAL VEHICLES EKOMUNAL TEHNIX
8. VEHICLE'S UPGRADE - LIFTER, HOOKLOADER
9. PRODUCTION OF PRESS-CONTAINERS AND ROLL-ON CONTAINERS
10. RECYCLING YARDS AND MUNICIPAL CONTAINERS
11. VERTICAL, HORIZONTAL AND SPECIAL BALING PRESSES
12. AUTOMATIC BALING PRESSES PRESSURE CAPACITY OF 30, 60, 90 TONS
13. TEARERS, CONVEYORS, SHREDDERS, PERFORATORS
14. STANDARD SEPARATORS FOR PROCESSING OF OILY WATER
15. BIOROTORS - DEVICES FOR BIOLOGICAL TREATMENT OF WASTE WATER
16. BIOREACTOR PLANTS FOR TREATMENT OF MUNICIPAL WATER
17. MOBILE OIL PUMPS AND CISTERNS AND SPECIAL TANKS
18. ECO EQUIPMENT, STORAGE, EMERGENCY CONTAINERS, METAL CABINETS
19. CONTAINERS PRODUCTION PROGRAM - SCHOOLS, KINDERGARTENS, SETTLEMENTS
20. UNIVERSAL ELEVATOR UDT-500
21. PRESSBOX TERMO 50 / 100
22. SERVICE LIFTING PLATFORM
23. OTHER SPECIAL PRODUCTS, EQUIPMENT AND PLANTS ON REQUEST

**WITH TECHNOLOGIES TEHNIX WE ACHIEVE  
CIRCULAR ECONOMY**

 **EY Entrepreneur of the year**



**AWARDING OF OSCAR TO THE PRESIDENT OF TEHNIX COMPANY,  
MR. ĐURO HORVAT FOR NOMINATION AT WORLD COMPETITION  
"EY ENTREPRENEUR OF THE YEAR"  
MONACO - MONTE CARLO 7 - 12 JUNE 2016**



**Zlatna kuna award for the most  
innovative company in 2004**



**Rep. of Croatia award OSCAR  
for environmental protection  
in 2004**



**Innovation awards  
Brussels 2007**



**WORLD RECOGNITION  
OF UNSG BAN KI-MOON**



**President of company  
honored with Order of  
Croatian Danica with  
figure of Nikola Tesla**



**AWARDING OF OSCAR FOR  
NOMINATION AT THE WORLD  
COMPETITION "EY ENTREPRENEUR  
OF THE YEAR"  
MONACO - MONTE CARLO 2016**

**100 AWARDS FOR ACHIEVEMENTS IN ECO TECHNOLOGIES  
DEVELOPMENT**



# BUSINESS - PRODUCTION CAPACITIES OF THE COMPANY

## TEHNIX - GLOBAL BRAND IN ECO INDUSTRY TECHNOLOGY



Panoramic view of factory in Donji Kraljevec



Hotel KRALJ (King) and gas station KRALJICA (Queen)



Constructed new eco factory



Technical management - products design and development



Management - fast and professional communication with market



THE MANAGERS OF THE COMPANY TEHNIX

OUR INTEREST IS QUALITY PRODUCT AND SATISFIED CUSTOMER



# **Tehnix<sup>®</sup> MBO-Te = INNOVATIVE TECHNOLOGY IN MUNICIPAL WASTE MANAGEMENT**

**MODERN FACILITY FOR  
INDUSTRIAL RECYCLING OF  
MUNICIPAL SOLID WASTE  
CAPACITY OF FACTORIES**

**5t/h 10t/h 15t/h  
20t/h 40t/h 80t/h**



## **TECHNOLOGICAL AND ECONOMY ADVANTAGES OF MBO-Te**

1. Economical collection of communal waste with existing equipment and vehicles.
2. Together we will determine the optimum capacity of the plant for recycling and composting.
3. Tehnix provides conceptual design of complete hall for municipal waste treatment.
4. Complete description of the equipment technology and facilities for recycling and composting.
5. We cooperate by making of the tender documentation as per international standards.
6. We offer a complete technical cooperation in developing the main project and project location
7. We define the equipment specification and plant capacities and evaluation of investments.
8. After the contract, we manufacture, supply, install and put into function facility for treatment.
9. We take responsibility for continuous functionality of the project and plant for recycling.
10. We provide spare parts, efficient service, training of service man and customer.
11. For delivered equipment we give manuals for management and appropriate certifications.
12. The whole project we built by "turnkey" system, till obtaining of occupancy permit.

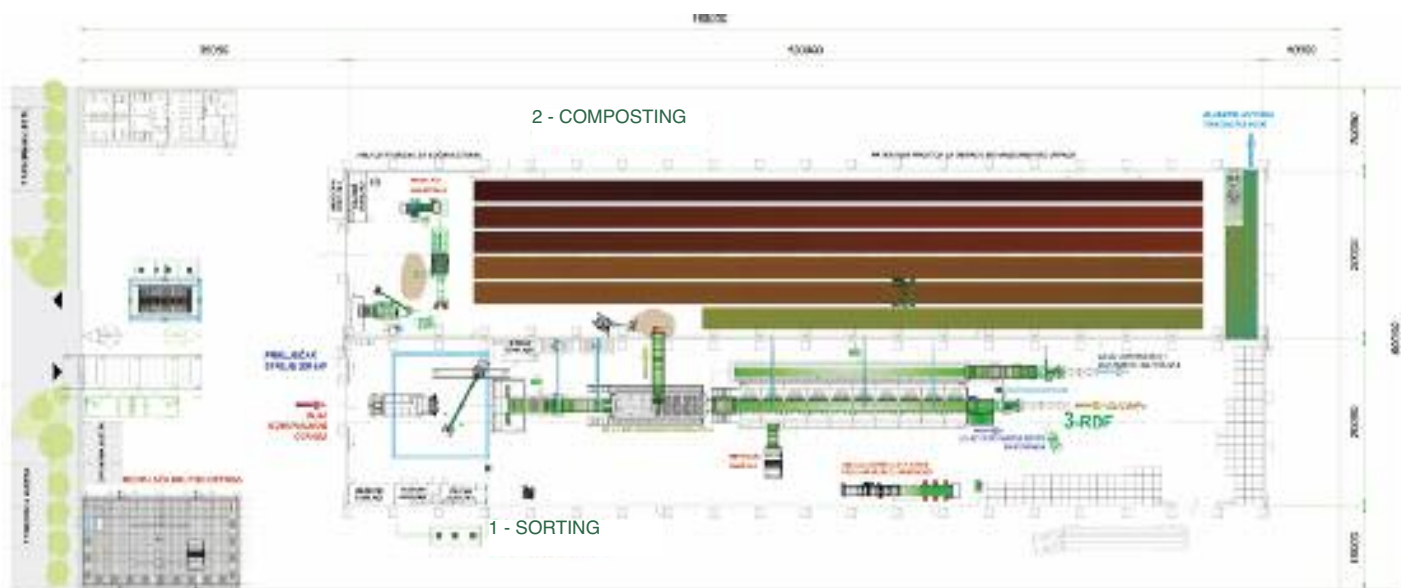
## **MBO-Te TECHNOLOGY OF CLOSED WASTE MANAGEMENT SYSTEM**



# TEHNIX FACTORIES FOR MUNICIPAL WASTE TREATMENT

## TECHNOLOGICAL INNOVATION IN WASTE MANAGEMENT

### KNOWLEDGE - INNOVATION - EXPERIENCE - TECHNOLOGY



## TECHNOLOGY FOR CIRCULAR ECONOMY

MUNICIPAL WASTE IS A GREAT ECONOMICAL RESOURCE

DEVELOPMENT OF A NEW MBO-Te TECHNOLOGY AND ITS IMPLEMENTATION CAN SIGNIFICANTLY CONTRIBUTE TO SUSTAINABILITY OF THE PLANET EARTH AND STOPPING CLIMATE CHANGES



STANDARD MBO-Te FACTORIES FOR WASTE TREATMENT ARE PAYABLE WITHIN 5 YEARS



# MBT-Te MECHANICAL BIOLOGICAL AND THERMAL TREATMENT OF MIXED MUNICIPAL WASTE



DESIGN - PRODUCTION - ASSEMBLY - TRAINING - SERVICE

**ROTO SIEVE – SPECIAL DEVICE FOR AUTOMATIC SEPARATION  
OF BIODEGRADABLE WASTE CAPACITY FROM 3 TO 20 t/h**



**SPECIAL DEVICE SEPARAT ROTOR – EFFICIENT SEPARATION SYSTEM  
OF BIOLOGICAL FRACTION FROM MIXED MUNICIPAL WASTE VARIOUS CAPACITIES**

ROTOSIEVE TYPE	CAPACITY	DRUM DIMENSIONS	LENGTH	WIDTH	HEIGHT	PERFORATION DIMENSIONS	INSTALLED POWER
	[t/h]	[mm]	[mm]	[mm]	[mm]	[mm]	[kW]
RS 3	up to 3	Ø 2400 x 4000	6000	2990/4600	3250/4200	Ø 55/ □ 55 x 120	5,5 + 3,0
RS 5	up to 5	Ø 2400 x 6000	8000	2990/4600	3250/5700	Ø 55/ □ 55 x 120	2 x 5,5 + 4,0
RS 10	up to 10	Ø 2400 x 8000	10000	2990/4600	3250/5800	Ø 55/ □ 55 x 120	2 x 5,5 + 2 x 4,0
RS 15	up to 15	Ø 2400 x 10000	12000	2990/4600	3250/5900	Ø 55/ □ 55 x 120	2 x 11,0 + 2 x 5,5
RS 20	up to 20	Ø 2400 x 12000	14000	2990/4600	3250/6000	Ø 55/ □ 55 x 120	2 x 11,0 + 2 x 5,5

**SUSTAINABLE WAY OF MUNICIPAL WASTE MANAGEMENT  
COMPLETE RECYCLING OF MIXED MUNICIPAL WASTE**



# FACILITIES FOR MUNICIPAL WASTE TREATMENT RECYCLING OF WASTE AND BALING OF RAW MATERIAL AND RDF FUEL WITHOUT DISPOSAL ON LANDFILLS



Finished waste management center 10 t/h - Tuzla



Sorting line JP DEPONIJA - Mostar 15 t/h



Sorting line in Progres - Doboj 5 t/h

**RDF** PRE-DRIED, SHREDDED, BALED,  
COMBUSTIBLE REST OF MIXED  
MUNICIPAL WASTE



plastic  
cardboard  
paper  
tetrapack  
wood  
rubber  
leather  
textile  
lantern  
others



**BALE OF RDF FUEL**

**RDF = ENERGY**

**1 kg = 4000 kcal**

**Cement plant – power – power plant**



# TEHNIX EQUIPMENT FOR WASTE RECYCLING

## FILTER STATION – BAG OPENER – METAL EXTRACTION – DOSING WITH CRANE



Air filter station - type 1 (2250 x 1650 x 2500), type 2 (4400 x 1650 x 2500)



Automatic separation of metal from waste



Bags opener type TEHNIX - capacity from 5-20 t/h, possibility of bags opening 5-50 kg



TEKRAN TEHNIX - for dosing of mixed communal waste

## FACILITY FOR RECEPTION, DOSING AND OPENING OF BAGS WITH WASTE



### RECEPTION-DOSING CHAMBER 15 m<sup>3</sup>, DOSING CHAIN-RUBBER CONVEYOR, BAG OPENER TEHNIX

The company Tehnix developed a technological system for reception, preparation and dosing of waste on sorting line for pre-sorted and mixed municipal dry waste.

We produce various dosing capacities, reception capacity is 15 m<sup>3</sup> or two municipal vehicles of 16 m<sup>3</sup>.



# SORTING FACILITY FOR RECYCLING AND BALING OF RAW MATERIALS COLLECTED FROM PRIMARY SELECTION

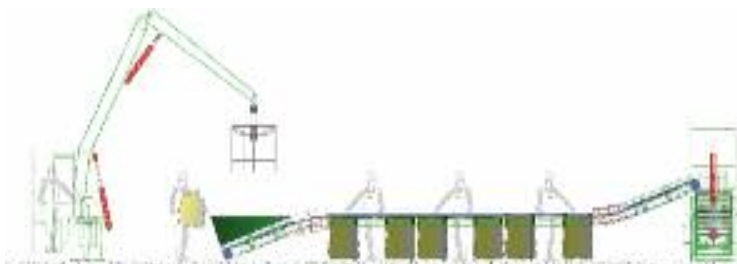
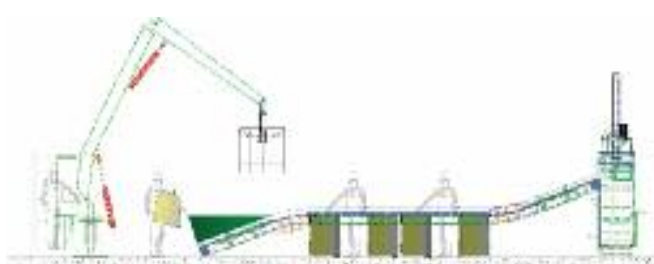


Plant for sorting of separately collected waste is building for waste management intended for sorting, mechanical treatment and storage of separately collected municipal waste.

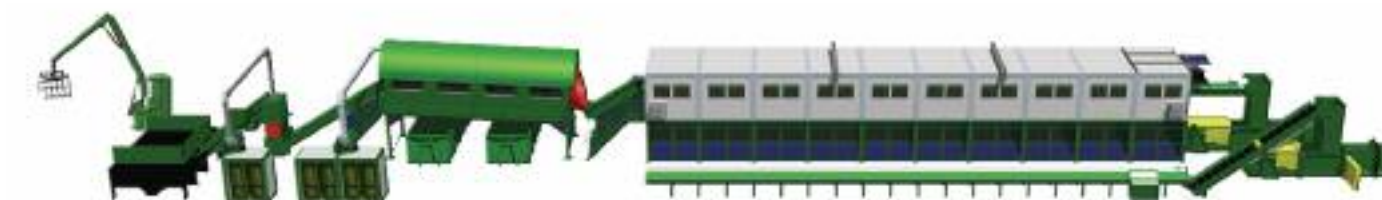


**MANUAL SORTING FACILITY TYPE TEHNIX CAPACITY UP TO 1 t/h  
BALING OF RAW MATERIALS IN BALES WIRE-STITCHED WITH VPB-20  
WITH 4 OR 6 WORKING PLACES**

**MANUAL SORTING FACILITY TYPE TEHNIX CAPACITY UP TO 1.5 t/h  
BALING OF RAW MATERIALS IN BALES WIRE-STITCHED WITH HPB-25  
WITH 6 OR 8 WORKING PLACES**



**ECO SORTING FACILITY TYPE TEHNIX CAPACITY UP TO 3 t/h  
BALING OF RAW MATERIALS IN BALES WIRE-STITCHED WITH APB-60  
WITH 10 OR 12 WORKING PLACES**



## TECHNOLOGICAL LINE FOR MUNICIPAL WASTE RECYCLING



### PLANT FOR SORTING OF SEPARATELY COLLECTED WASTE IN PRELOG

According to the Waste Management Plan of the Republic of Croatia 2017<sup>th</sup> to 2022<sup>nd</sup>, sorting plant for sorted and baled raw materials from separately collected waste have to be dimensioned for reception, sorting, baling and storage of baled raw materials for the market. Spaces for sorting must be ventilated due to the concentration of gas.

### CONSALTING – PREPARATION OF PRELIMINARY AND MAIN DESIGNS OF SORTING FACILITIES TYPE TEHNIX

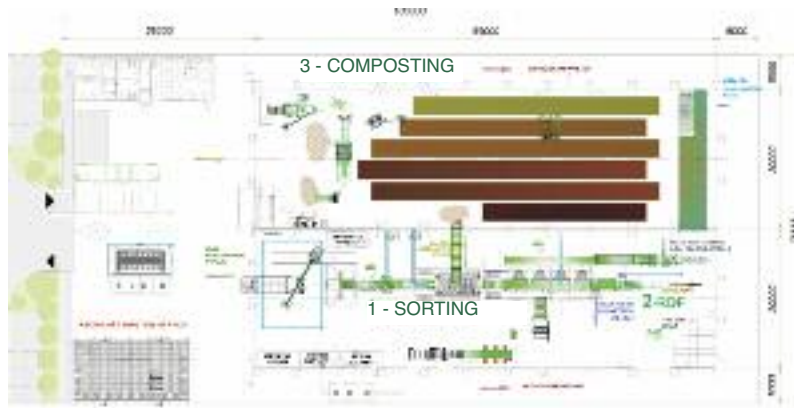
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# RECYCLING CENTERS FOR PRE-SORTED AND MIXED MUNICIPAL WASTE TYPE TEHNIX

ASSEMBLY OF FACILITIES AND DEVICES FOR COLLECTION AND TREATMENT OF MUNICIPAL WASTE  
WASTE TREATMENT IS A PROCEDURE OF RECOVERY OR SANATION, AND PROCESSES OF PREPARATION BEFORE RECOVERY OR SANATION

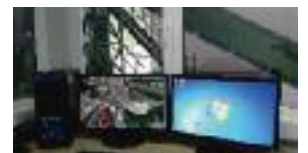
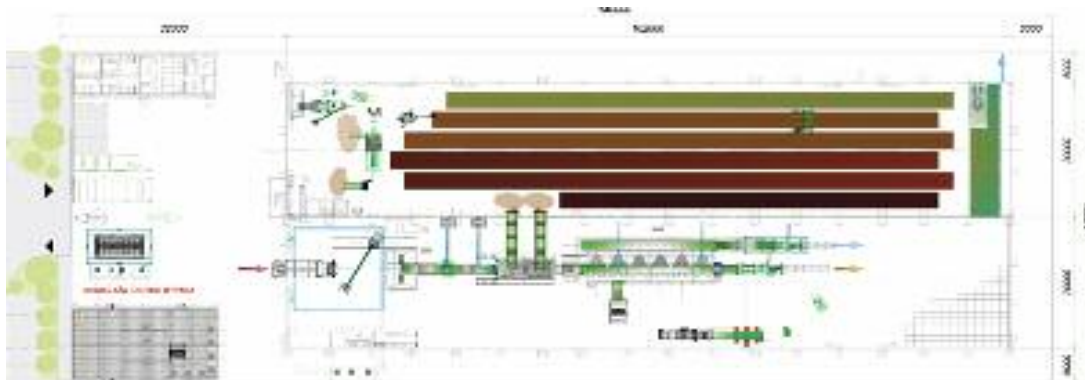
RECYCLING CENTER CAPACITY 4 UP TO 5 t/h – NUMBER OF EMPLOYEES = 20 / INSTALLED POWER = 125 kW



RECYCLING CENTER CAPACITY 5 UP TO 7.5 t/h – NUMBER OF EMPLOYEES = 25 / INSTALLED POWER = 140 kW



RECYCLING CENTER CAPACITY 7.5 UP TO 10 t/h – NUMBER OF EMPLOYEES = 30 / INSTALLED POWER = 150 kW



CONSALTING – PREPARATION OF PRELIMINARY AND MAIN DESIGNS FOR RECYCLING CENTERS TYPE TEHNIX  
RECYCLING CENTERS ARE BUILD COMPLETELY ACCORDING TO THE „TURNKEY“ SYSTEM WITHIN 6 MONTHS

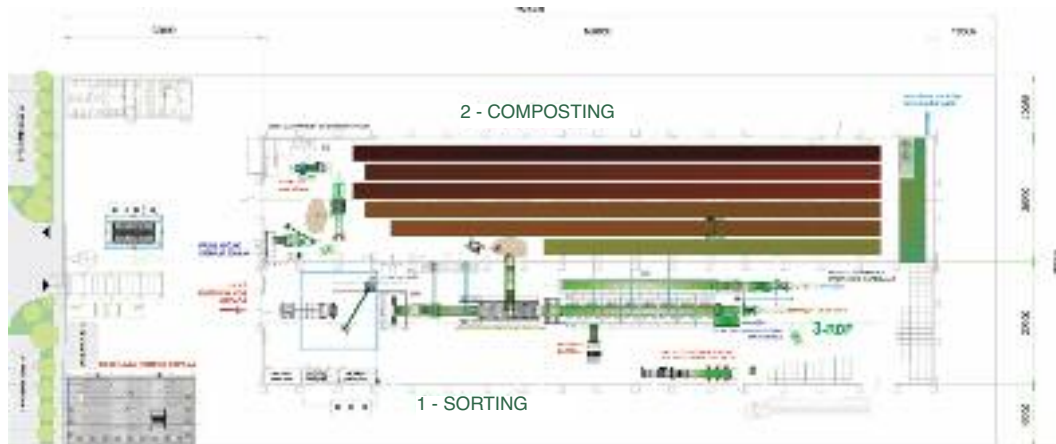
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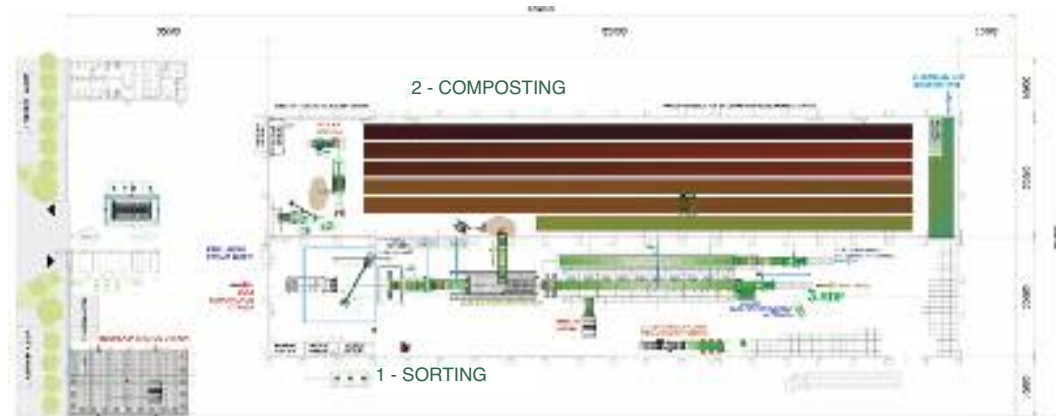
# CENTERS FOR MUNICIPAL WASTE MANAGEMENT

## ASSEMBLY OF FUNCTIONALLY AND / OR TECHNOLOGICALLY CONNECTED BUILDINGS AND DEVICES FOR TREATMENT OF PRE-SORTED AND MIXED MUNICIPAL WASTE

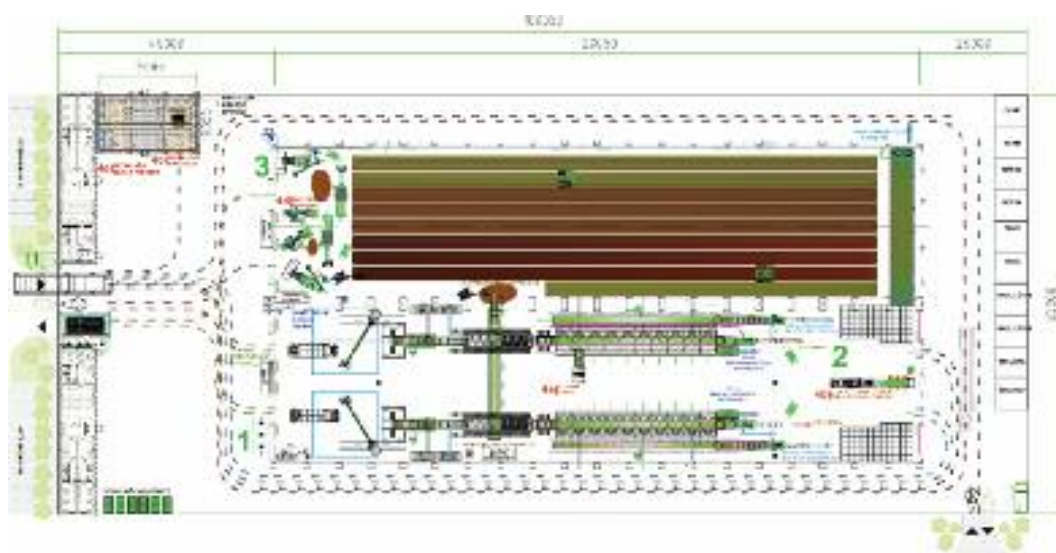
CENTER FOR MUNICIPAL WASTE MANAGEMENT TYPE TEHNIX CAPACITY FROM 10 TO 15 t/h



CENTER FOR MUNICIPAL WASTE MANAGEMENT TYPE TEHNIX CAPACITY FROM 15 TO 20 t/h



CENTER FOR MUNICIPAL WASTE MANAGEMENT TYPE TEHNIX CAPACITY FROM 20 TO 40 t/h



CONSALTING – PREPARATION OF PRELIMINARY AND MAIN DESIGNS FOR WASTE MANAGEMENT CENTERS



# TECHNOLOGICAL SYSTEMS FOR RECYCLING AND USE OF SOLID AND SPECIAL BULKY WASTE FROM RECYCLING YARDS



Shredder for shredding of wooden, plastic and rubber waste with electromagnet for metal extraction



Tehnix line for opening of bales wire-stitched and sorting of plastic according to the type of use for sale

Baling of sorted plastic

Device for recycling of used mattresses - extraction of steel and RDF



Device for chopping of cardboard for baling



## NEW PRODUCT OF COMPANY TEHNIX MULTI ECO SEPARATOR TYPE 4000 / 4 T/hour

Facility for bags opening, refinement, selection and dedusting of waste, as well as for degassing of sorting area



TECHNOLOGICAL PREPARATION OF WASTE FOR SORTING



# BIOLOGICAL TREATMENT OF ORGANIC WASTE GREEN WASTE, WASTE SLUDGE, WASTE FROM AGRICULTURE

## TECHNOLOGY TEHNIX PROVIDES FAST COMPOSTING WITHIN 8 - 10 WEEKS



TEKRAN TEHNIX - for dosing  
of organic waste



KOMPOSTDER a device for treatment  
of biodegradable waste



COMPOST SIEVE a compact device for quality and  
fast sifting



SANATOR OF OLD DUMPS TEHNIX  
Extraction of compost

1. INDUSTRIAL COMPOSTING OF ORGANIC WASTE UNDER CONTROLLED CONDITIONS WITH TECHNOLOGY TEHNIX
2. BIOLOGICAL TREATMENT ENABLES FAST PRODUCTION OF QUALITY ORGANIC FERTILIZER FOR AGRICULTURE
3. COMPANY TEHNIX HAS DEVELOPED A NEW TECHNOLOGY FOR FAST PROCESS OF ECO COMPOST PRODUCTION
4. MODERN DEVICES & EQUIPMENT, WHICH ARE DEVELOPED IN TEHNIX, PROVIDE COMPOSTING FROM 8 - 10 WEEKS
5. MBT-Te IS A NEW TECHNOLOGY FOR INDUSTRIAL RECYCLING OF MIXED MUNICIPAL WASTE AND COMPOST
6. INDUSTRIAL COMPOSTING IS A GREAT IMPROVEMENT FOR A DEVELOPMENT OF A CIRCULAR ECONOMY & SUSTAINABLE DEVELOPMENT
7. ORGANIC WASTE PROCESSED UNDER CONTROLLED BIO-AEROBIC CONDITIONS IS HIGH QUALITY FERTILIZER
8. WE MUST NOT DISPOSE ORGANIC WASTE AT LANDFILLS DUE POLLUTION OF WATER, AIR & CREATING EMISSIONS
9. QUALITY COMPOST WHICH IS PRODUCED IN INDUSTRIAL PLANTS IS ECONOMICAL AND ENERGY RESOURCE
10. LOW COSTS OF COMPOSTING, SPEED & QUALITY OF COMPOST PROVIDE SUSTAINABLE DEVELOPMENT OF THE PLANET

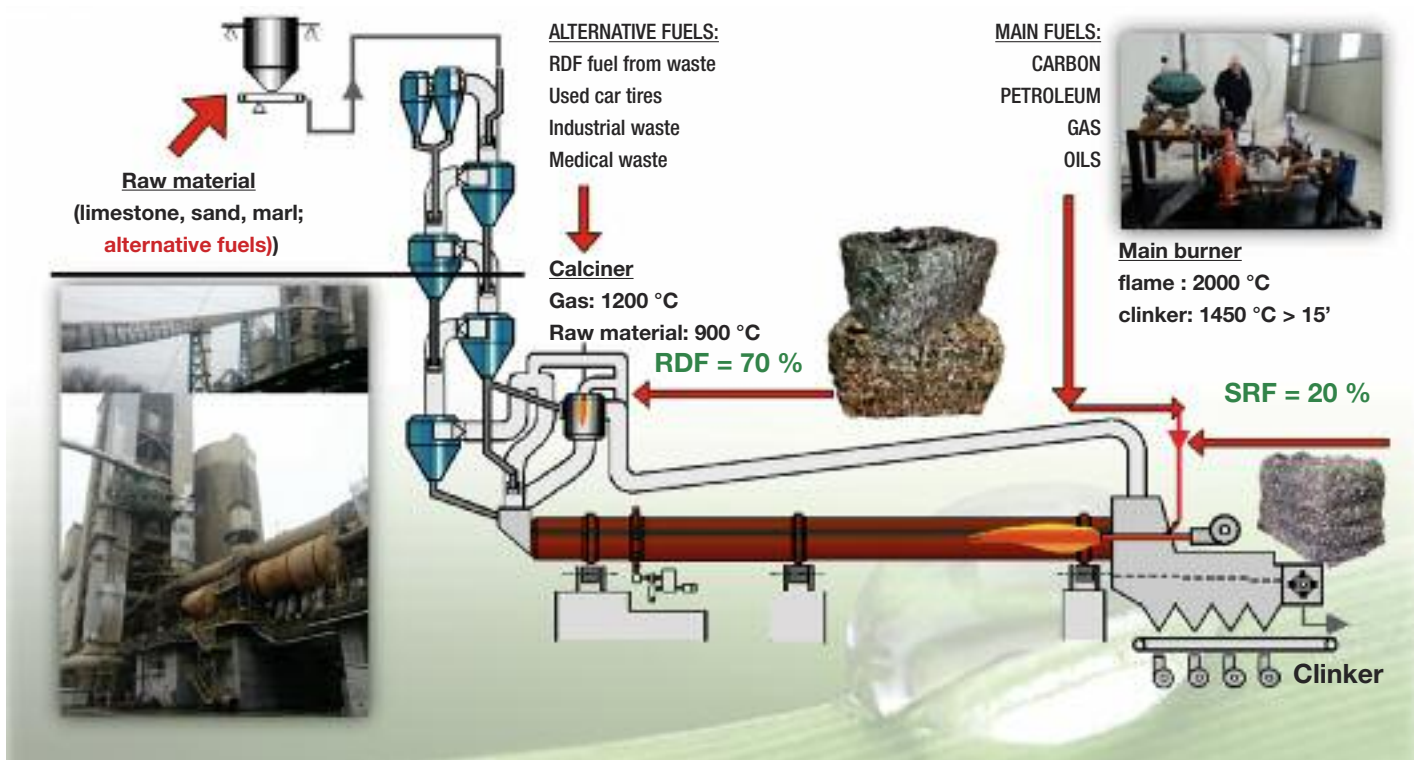
**WE DESIGN, MANUFACTURE, INSTALL FACTORIES FOR PRODUCTION OF ECO COMPOST  
THE COMPANY TEHNIX IS YOUR PARTNER FOR INDUSTRIAL COMPOSTING**



# INDUSTRIAL COMPOSTING OF BIODEGRADABLE WASTE UNDER CONTROLLED CONDITIONS



## THERMAL TREATMENT OF COMBUSTIBLE, SHREDDED AND BALED RESIDUES OF UNSORTED RAW MATERIAL – RDF





# EQUIPMENT FOR COMPOST PRODUCTION FROM BIODEGRADABLE WASTE

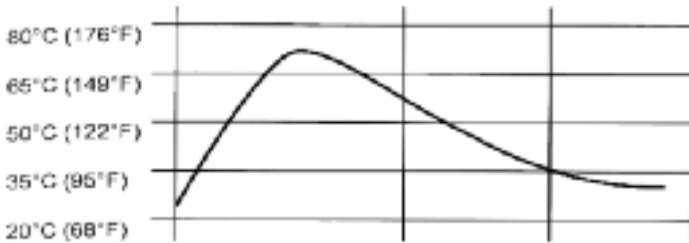
## SUSTAINABLE DEVELOPMENT BY WASTE USING AND COMPOST PRODUCTION



COMPOST SHREDDER - AUTOMATIC WITH CRANE - TYPE TEHNIX DIESEL 130 KW

### WE PROVIDE PROFESSIONAL ADVICE AND PROJECTS FOR COMPOSTING PLANTS

TEHNIX - the process of composting in piles around the world functions reliably in all climatic zones. The ideal dimensions of the pile or furrow is width 2,5 m and height 1,4 m. By reuse of organic waste are kept landfill resources and significantly reduced greenhouse gas emissions in relation to the landfill or incineration. The use of organic fertilizer increases the humus content in the soil and permanently improves its fertility.



Compost heap temperature curve during composting



## PLANT FOR AUTOMATIC AND ECOLOGICAL WASHING OF MUNICIPAL VEHICLES UNDERCARRIAGES



Type	CAPACITY [vehicles/h]	PUMP FLOW [L/min]	INSTALLED POWER [kW]	Nr. NOZZLES	FACILITY DIMENSIONS [mm]	FOUNDATIONS DIMENSIONS [mm]	SEPARATOR [L]
APV 4/20 m <sup>3</sup>	up to 20	max 1800	5,5	114	5000 x 3600 x 2150	6000 x 4000 x 200	20000
APV 6/30 m <sup>3</sup>	up to 30	max 3750	7,5	174	7000 x 3600 x 2150	8000 x 4000 x 200	30000

### PRODUCTION – SUPPLY – MAINTENANCE



# COMMUNAL WASTE RELOADING STATIONS TEHNIX

## ECONOMICAL WAY OF RELOADING, TRANSPORT AND UNLOADING OF COMMUNAL WASTE



Automatic reloading station type Tehnix - from garbage truck to 32 m³ press-containers

**WE GIVE YOU THE BEST ADVICES FOR ECONOMICAL AND ECOLOGICAL  
WASTE MANAGEMENT**

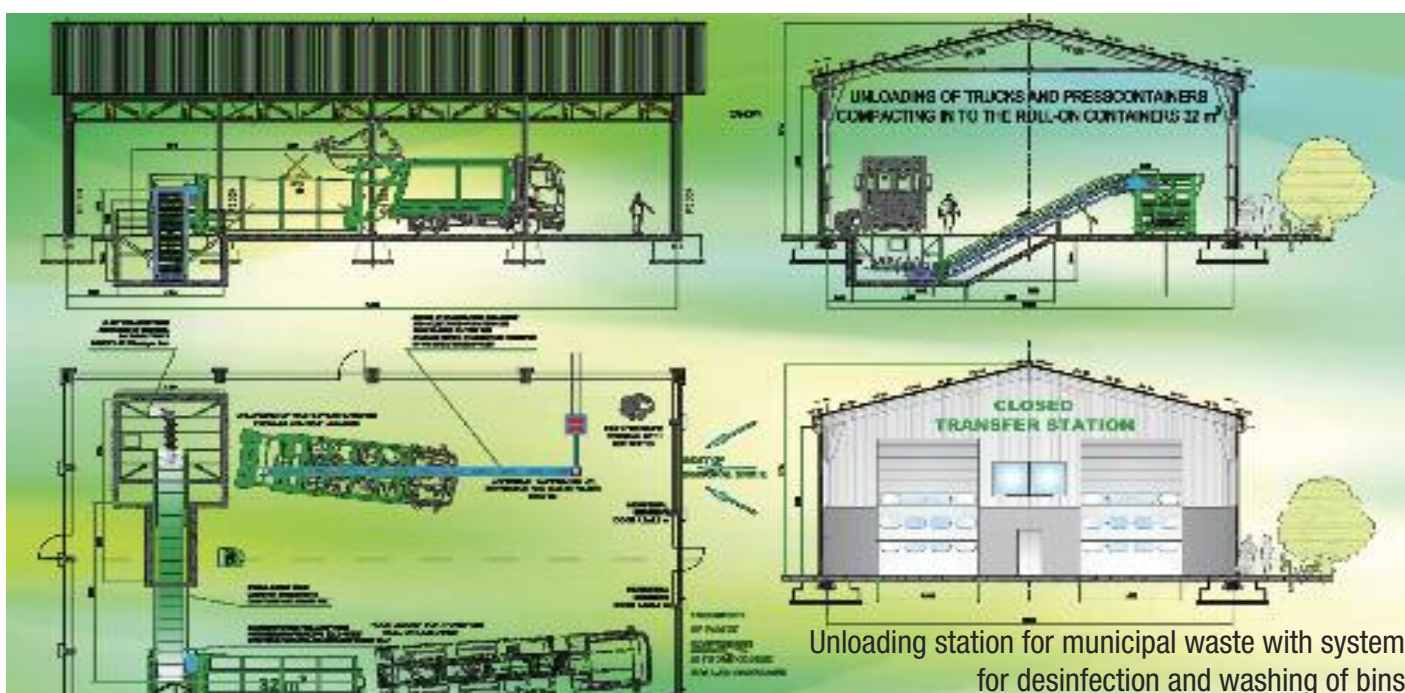


Automatic reloading station Pirovac



Automatic reloading station Bačka Topola

## STANDARD CLOSED UNLOADING STATIONS TEHNIX 25 TONES/HOUR





# TEHNIX EKOMUNAL SPECIAL SPECIAL MUNICIPAL VEHICLE

FOR COLLECTING, COMPACTING AND UNLOADING OF MUNICIPAL WASTE

## VOLUME

14 m<sup>3</sup>

16 m<sup>3</sup>

18 m<sup>3</sup>

20 m<sup>3</sup>

22 m<sup>3</sup>



**HARDOX®**  
WEAR PLATE

## MUNICIPAL WASTE COLLECTING

FROM BINS 80 – 120 – 240 – 1100 L AND AND CONTAINERS 1100 L AND 5 - 7 m<sup>3</sup>

### THE MOST IMPORTANT 10 REASONS WHY TO BUY SPECIAL VEHICLE EKOMUNAL TEHNIX

1. HIGH QUALITY OF UPGRADE AND VEHICLE FOR WASTE COLLECTING
2. OPTIMAL PRICE AND FAVORABLE CONDITIONS FOR UPGRADE AND VEHICLE PURCHASE
3. SMALL FUEL CONSUMPTION ENGINE EURO 6; MINIMAL EMISSIONS CO<sub>2</sub>
4. HIGH WASTE COMPACTION IN VOLUME FOR ACCEPTANCE MINIMAL 1:6
5. VEHICLE UPGRADE IS SIMPLE, PERMANENT FUNCTIONAL CONSTRUCTION UNIT
6. WEARTING POSITIONS ARE MADE FROM HARDOX SPECIAL STEEL
7. INSURED SPARE PARTS AND FAST EKOMUNAL UPGRADE SERVICE
8. EMBEDDED COMPLETE SAFETY SIGNAL AND TECHNOLOGICAL EQUIPMENT
9. AT THE REQUEST OF BUYER WE BUILT IN VOLUME USER IDENTIFICATION SYSTEM
10. WITH VEHICLE AND UPGRADE DELIVERY, WE GIVE COMPLETE DOCUMENTATION

VEHICLES  
**MERCEDES**  
**MAN**  
**DAF**  
**IVECO**



WE DEVELOP SMALLER MUNICIPAL VEHICLES CAPACITY 10 m<sup>3</sup>



# TEHNIX EKOMUNAL STANDARD SPECIAL MUNICIPAL VEHICLE

FOR COLLECTING, COMPACTING AND UNLOADING OF MUNICIPAL WASTE



## MUNICIPAL WASTE COLLECTION FROM BINS 80 – 120 – 140 L AND CONTAINERS 1100 L

EKOMUNAL TYPE	EKOMUNAL 14	EKOMUNAL 16	EKOMUNAL 18	EKOMUNAL 20	EKOMUNAL 22
PRESSING CHAMBER [m <sup>3</sup> ]	14	16	18	20	22
INPUT CHAMBER [m <sup>3</sup> ]	2	2	2	2	2
* LENGTH [mm]	up to 6555	up to 6955	up to 7355	up to 7755	up to 8155
** WIDTH [mm]	up to 2500	up to 2500	up to 2500	up to 2500	up to 2500
*** HEIGHT [mm]	up to 2200	up to 2200	up to 2200	up to 2200	up to 2200
GROSS VEHICLE WEIGHT [kg]	18 000	18 000	26 000	26 000	26 000
ENGINE POWER [kW]	200	200	235	235	235
NUMBER OF AXLES	2	2	3	3	3

NOTE: Vehicles dimensions adjusting to the needs of users.

\*Depending of vehicles model choice / \*\* from 2300 to 2495 on all EKOMUNAL sizes / \*\* depending of vehicles model choice

UNDERCARRIAGE: MERCEDES, MAN, IVECO, DAF etc..



Tehnix skip loader for buckets and containers 80 to 1100 liters



Tehnix skip loader for containers 5 and 7 m<sup>3</sup>



Automatic discharge of receiving chamber inside and outside the cabin



# EKOMUNAL 5 - 7,5 m<sup>3</sup>

## SPECIAL MUNICIPAL VEHICLE FOR NARROW SPACES



EKOMUNAL 7,5 m<sup>3</sup> KTD BILAN d.o.o.



EKOMUNAL 7,5 m<sup>3</sup> DUNDOVO d.o.o., RAB



EKOMUNAL 7,5 m<sup>3</sup> EKO-MURVICA d.o.o.

UPGRADE TYPE	RECEIVING CHAMBER	LENGHT	WIDTH	HEIGHT	MAXIMUM PERMISSIBLE LOAD
EKOMUNAL 5	5 m <sup>3</sup>	to 4950 [mm]	to 1750 [mm]	to 2600 [mm]	to 6000 [kg]
EKOMUNAL 7,5	7,5 m <sup>3</sup>	to 5900 [mm]	to 2050 [mm]	to 2900 [mm]	to 7490 [kg]

**NOTE:** Technical characteristics of vehicles can be adjusted to user needs  
 Technical data in the table are for information only and are subject to change



Collected municipal waste is reloaded from a smaller vehicle into a larger one



# EFEKT EKOMUNAL 5 - 7,5 m<sup>3</sup>

SPECIAL MUNICIPAL VEHICLE FOR NARROW SPACES



Discharge of container 80 to 1100 liter capacity



Discharge of waste hopper



SPECIAL VEHICLE EKOMUNAL TAXI





**DURABLE**

# PRESS-CONTAINERS TEHNIX HYDRAULIC AND WORM Machines for waste pressing 5, 7,5 i 10 m<sup>3</sup>



The right solution for your company, your town or village, hospitals, fuel station, markets, hotels, camping sites, marinas, construction sites, Croatian islands, banks, for all types of industry and shopping malls.



**LESS ENERGY  
LESS SPACE**

**GREAT SAVINGS**

PKH-10. Tehnix 10 m<sup>3</sup> press-container - modern unit for waste pressing



Hydraulic press-container with lifting unit



Container locking system



Hydraulic cover lifter



Drive unit of hydraulic press-container



Press-container pressing plate  
Central lubrication system



Drive worm unit for press-containers



Driving worm, high pressing efficiency (1:10)

Standard press-container dimension

Type of device	Volume	Press-container dimensions	Installed power	Pressing force
PKH-5 / PKP-5	5 m <sup>3</sup>	3780 x 1900 x 1665	4 kW / 5,5kW	up to 320 kN
PKH-7,5 / PKP-7,5	7,5 m <sup>3</sup>	4370 x 2115 x 2055	4 kW / 5,5 kW	up to 320 kN
PKH-10 / PKP-10	10 m <sup>3</sup>	4770 x 2115 x 2055	4 kW / 5,5 kW	up to 320 kN

**AUTOMATIC REGULATION OF THE NUMBER OF THRUST PLATE STROKES**

# PRESS-CONTAINERS WITH CAPACITY OF 32, 20 and 16 m<sup>3</sup>

**MODELS:** 1. Standard, 2. With front wheels and double lifting hook,  
3. With a lifting unit, 4. Two-parts rolo 32 m<sup>3</sup>

## ADVANTAGES AND SAVINGS OF PRESS-CONTAINERS USAGE:

### Economic advantages

- decrease of transportation costs for up to 10 times
- amortization up to 12 months
- good purchase conditions and long-lasting product life

### Ecological and fire-fighting protection

- controlled waste collection and transport to disposal site
- smell protection
- eliminated possibility of rinsing and water contamination

### Health protection

- impossible transmission of contagious diseases
- impossible access for rodents
- impossible spreading by wind or people

### Technical advantages

- high quality, long-term use
- simple handling and manipulation
- controlled loading and easy discharge
- dimensions according to DIN standard



Two-parts rolo press-container 32 m<sup>3</sup> to 10 tons



Special desing of two-part press-container with lifter



20 m<sup>3</sup> press-container



TEHNIX press-containers have high quality, durability and attests according to TÜV EU norms



Loading of press-container

### Standard press-container dimension

Type of device	Volume	Rolo container dimensions	Installed power	Pressing force
PKH-14 / PKP-14	14 m <sup>3</sup>	5950 x 2035 x 2235	5,5 kW / 7,5 kW	up to 320 kN
PKH-16 / PKP-16	16 m <sup>3</sup>	5930 x 2530 x 2525	5,5 kW / 7,5 kW	up to 320 kN
PKH-20 / PKP-20	20 m <sup>3</sup>	6680 x 2530 x 2525	5,5 kW / 7,5 kW	up to 320 kN
DPKH-32 / DPKP-32	32 m <sup>3</sup>	6430 x 2360 x 2680	5,5 kW / 7,5 kW	up to 350 kN

**ENERGY SAVINGS, LOW PRICE, LONG PRODUCT LIFE**



# ROLO CONTAINERS - Tehnix

## MODERN AND SAFE WAY FOR MATERIALS TRANSPORT

Scattered material, material in pieces and liquid bulk with the volume from 14 m<sup>3</sup> to 32 m<sup>3</sup>, according to DIN 30722 standard.



Rolo containers "Tehnix" - type product



Door type, tarpaulin protection and color on a request



Rolo container type Strabag



Rolo container in INOX version



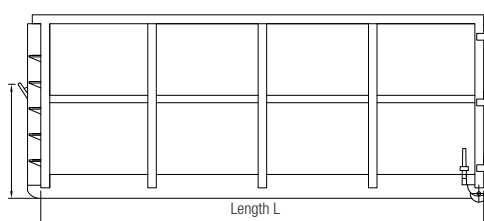
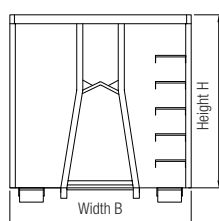
Rolo container with rotating cover



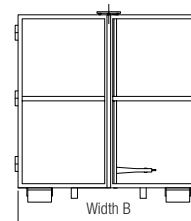
Fast cargo discharge and loading, practical exchange - full for empty



Rolo container with crane opening



Rolo containers have the closing system according to Euro standard



With or without a bar

Interior dimensions of Tehnix rolo container

Type TEHNIX	Length L [m]	Width B [m]	Height H [m]	Volume [m <sup>3</sup> ]	Weight [kg]
1000-14	6.00	2.45	1.00	14	1850
1000-18	6.00	2.45	1.25	18	2000
1500-21	6.00	2.45	1.50	21	2100
1500-23	6.00	2.45	1.65	23	2250
2000-28	6.00	2.45	2.00	28	2450
2000-30	6.00	2.45	2.15	30	2600
2000-32	6.00	2.45	2.30	32	2650

In developed European countries 70% of scattered cargo is transported by rolo containers. Their application is especially frequent in civil engineering, for scattered cargo transport. They are used as reception storage locations in recycling yards. They reduce the costs of goods transport. One cargo truck can serve 10 or even more containers. Rolo containers are also suitable for renting. They are safe and practical in transport! They are cheap in exploitation. Have long service life.

ROLO CONTAINERS for light cargo - sheet metal for sides is 3 mm thick, floor 4 mm

ROLO CONTAINERS for heavy cargo - sheet metal for sides is 4 mm thick, floor 5 mm

**UPON A CLIENT'S REQUEST, WE PRODUCE SPECIAL VERSIONS**

# VERTICAL BALING PRESSES

RECYCLING: cardboard, paper, PET packaging, plastic, wooden crates, aluminum and steel packaging, barrels, tin cans, plastic cans, used refrigerators, used stoves, used IT equipment and other

**Bonding with PVC band**



Baling press - vertical/pressure 10, 15 and 20 t



Baling press VPB - 20

## DOUBLE-CHAMBER BALING PRESS - COMPACTOR



Double-chamber baling press  
DVPB - 15



Double-chamber baling press with a  
transporter



Pet packaging recycling line

APPLICATION: In recycling facilities, recycling yards, markets, shopping malls, shops, industrial facilities, ports, hospitals, schools, nursing homes, hotels, restaurants, campsites...

Press type	Power [V/kw]	Pressure [t]	Bale weight [kg]	Bale dimensions [LxWxH, mm]	Outer dimensions [LxWxH, mm]
VPB - 10	220 V / 2,2 kW	10 t	up to 100 kg	600 x 510 x 550	950 x 800 x 2440
VPB - 15	380 V / 3,0 kW	15 t	up to 200 kg	700 x 710 x 650	1100 x 1050 x 2870
VPB - 20	380 V / 4,0 kW	20 t	up to 250 kg	1000 x 710 x 650	1100 x 1250 x 2870
DVPB - 10	220 V / 2,2 kW	10 t	up to 100 kg	600 x 510 x 550	1600 x 880 x 2300
DVPB - 15	380 V / 3,0 kW	15 t	up to 200 kg	700 x 710 x 650	1820 x 1150 x 2500

**We design, manufacture and assemble recycling yards  
UPON A REQUEST, WE PRODUCE SPECIAL VERSIONS OF PRESSES**



# SEMI-AUTOMATIC HORIZONTAL BALING PRESSES

RECYCLING: cardboard, paper, PET packaging, plastic, wooden crates, aluminum and steel packing material, barrels, tin cans, plastic cans, used refrigerators, used stoves, used IT equipment and other

Bonding with Ø 3 mm wire



Horizontal baling presses HPB-25 and HPB-35 type Tehnix

Press type	Power [V/kw]	Pressure [tons]	Bale weight [kg]	Bale dimensions [LxWxH, mm]	Outer dimensions [LxWxH, mm]
HPB - 25	380 V / 11 kW	25 t	up to 250 kg	1100 x 800 x 800	5230 x 1210 x 2315
HPB - 35	380 V / 11 kW	35 t	up to 350 kg	1100 x 800 x 800	5230 x 1210 x 2315



Press with a transporter and perforator of PET packaging



Horizontal baling press HPB-25 type - TEHNIX



HPB-25 special version, pressure 10 kg/cm<sup>2</sup>

## ANGLE CHAIN CONVEYORS TEHNIX



ACCORDING TO REQUEST WE PRODUCE CONVEYORS OF STANDARD AND SPECIAL VERSION

# AUTOMATIC BALING PRESS

TEHNIX APB 50 and APB 100 tons

Baling of paper, cardboard, PET and MET packaging, and utility waste  
**LESS ENERGY - HIGH EFFICIENCY - PERMANENT FUNCTION**



Automatic baling press with additional equipment and control panel



Facility for baling of cardboard waste

Press runs automatically with supervision of servant. / Pressing of one bale takes from 5 to 10 minutes. / Energy consumption is less than 5 kW per tonne of baled waste. / Prefabricated elements of pressing chamber and floor enables simple replacement. / Input hatch is adjusted to the dosing conveyor. / Possibility of installation of automatic PET perforator. / Touch - screen for facilitated management. / Recording of all working press parameters. / Possibility of installation of weighing system for facilitated monitoring of profit. / Warranty of press with conveyor is 12 months. / Assured service and spare parts. / Good conditions of supply and long life.

PRESS TYPE	APB-T 30	APB-T 60	APB-T 90
PRESSURE	300 kN	600 kN	900 kN
BALLING MATERIAL	PET, MET, foil, papercardboard, aluminum, RDF	PET, MET, foil, papercardboard, aluminum, RDF	PET, MET, foil, papercardboard, aluminum, RDF
POWER	11 kW /380 V	22 kW /380 V	37 + 4 kW /380 V
CAPACITY	up to 3 t/h	up to 6 t/h	up to 10 t/h
PRESSURE IN HYDRAULIC SYSTEM	up to 200 bar	up to 200 bar	up to 200 bar
BALE WEIGHT	up to 300 kg	up to 650 kg	up to 1000 kg
CYCLE TIME	30 sec (2 cycles per minute)	30 sec (2 cycles per minute)	30 sec (2 cycles per minute)
NUMBER OF WIRES FOR BINDING WIRE THICKNESS	2 3,2 mm	4 3,2 mm	6 3,2 mm
BINDING MODE	automatic	automatic	automatic
BALE DIMENSIONS LxWxH	1200 - 2400 x 800 x 600 mm adjustable bale length	1200 - 2400 x 900 x 800 mm adjustable bale length	1200 - 2400 x 1000 x 1200 mm adjustable bale length
PRESS DIMENSIONS LxWxH	7200 x 1900 (4000) x 2850 mm	7200 x 2000 (4100) x 3900 mm	7950 x 2100 (4400) x 4350 mm
PRESS WEIGHT	8 t (depending on the equipment)	10,5 t (depending on the equipment)	15 t (depending on the equipment)
CARRYING LAYERS	steel Hardox HD 400	steel Hardox HD 400	steel Hardox HD 400
CHARGING	ribbed conveyor belt	ribbed conveyor belt	ribbed conveyor belt
CONVEYOR DIMENSIONS	6000 x 1200 / 100 mm - above-ground 8000 x 1200 / 100 mm - underground	6000 x 1200 / 100 mm - above-ground 8000 x 1200 / 100 mm - underground	6000 x 1200 / 100 mm - above-ground 8000 x 1200 / 100 mm - underground
RECEIVING CHAMBER LxWxH	1200 x 800 x 1950 mm	1200 x 900 x 2800 mm	1400 x 1000 x 2800 mm
CONTROL SYSTEM	PLC Allen Bradley MicroLogix 1400	PLC Allen Bradley MicroLogix 1400	PLC Allen Bradley MicroLogix 1400



# AUTOMATIC BALING PRESSES TEHNIX WITH DOSING EQUIPMENT



**TOGETHER WITH YOU WE WILL SELECT THE BEST SOLUTION  
FOR RECYCLING AND BALING OF RAW MATERIALS**

PLANTS FOR SHREDDING AND BALING OF PAPER,  
CARDBOARD, PET PACKAGING AND AUTOMATIC  
PREPARATION OF RDF FUEL FROM WASTE



## RECYCLING YARDS FOR COLLECTING OF SPECIAL MUNICIPAL WASTE FROM CITIZENS AND FACTORIES



## MOBILE RECYCLING YARDS FOR RECEPTION OF SPECIAL WASTE FROM CITIZENS AND FACTORIES



## FACILITY FOR RECYCLING OF DEPOSITED BALES



## PRODUCTION OF THE FACILITY FOR THE COMPANY LAFARGE – CEMENT PLANT IN GREECE

## DESIGN OF PLANTS FOR DOSING OF RDF FUEL IN CEMENT KILNS



# SPECIAL VEHICLE WITH UPGRADE TYPE TEHNIX FOR TRANSPORT OF COMMUNAL CONTAINER



## COMMUNAL CONTAINERS 5, 7 AND 10 m<sup>3</sup>

For collection of utility waste, paper, plastics, metals and other



Utility waste container 5 m<sup>3</sup>, open version



Utility waste container 5 m<sup>3</sup>, closed version



Paper container 5 m<sup>3</sup>, 7 m<sup>3</sup> or 10 m<sup>3</sup>

Utility waste containers are produced according to DIN standards and are adopted for stacking up to three containers, what significantly reduces transport costs! They have rigid construction and long service life.

Basic dimension of utility waste containers

Type of container	Length L [m]	Width B [m]	Floor width P [m]	Height H [m]	Eye height [m]
5 m <sup>3</sup>	3.31	1.60	1.50	1.25	1.00
7 m <sup>3</sup>	3.47	1.60	1.50	1.50	1.00
10 m <sup>3</sup>	4.10	1.85	1.70	1.75	1.00

The basic construction of utility waste containers is made of 3 mm thick steel plates and it becomes rigid by the use of 4 and 5 mm thick steel plates. All rigid parts are welded along, which eliminates possibility of inner corrosion! Covers are suspended on springs and may be closed with stainless steel butterfly screw! Surface protection is made by ground and cover paint, while inner surfaces are protected by paint resistant to salt, acids and alkali!

**UPON A REQUEST, WE PRODUCE SPECIAL VERSIONS**



# Flow SEPARATORS from 1.6 - 40 l/sec

For separation of oil and grease, sand, gravel and ashes from precipitation or processing oily water

Separators are produced according to EN 858-1 with integrated sedimentation trap and coalescent replaceable cartridge.

Quality of purified water at the separator exit is less than 5 milligrams per liter.

**Installation:** In the ground, in a pit excavated at the depth of  $h+20$  cm, with projection dimensions  $L \times B$ , onto prepared, leveled and pressed gravel, PP foil is placed with allowed deviation to 2 cm. After placing the separator, PVC tubes are connected to rubber input-output O-rings. It is necessary to fill in the separator with clean water up to the output level. Check the tightness of connections. Sliding separator neck with a cover should be adapted to necessary height and fill-up with dirt. Manholes and cover installed in the pavement should be reinforced, fill with concrete, cover with asphalt and level.

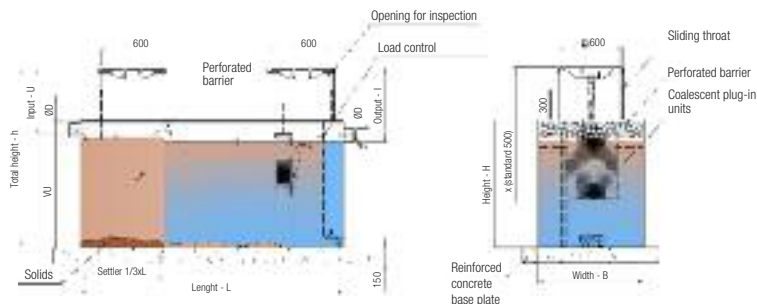
**Maintenance:** Conclude a contract with an authorized collector of waste oils and grease. When necessary, oils and grease should be discharged from the separator and disposed according to the Hazardous Waste Act.

For greater capacities, we design separators with By-pass system or with special constructions.

**TEHNIX SEPARATORS ARE TYPE CERTIFIED FOR INSTALLATION IN CROATIA AND EUROPE**



Coalescent cartridges



## ATTEST - INSTALLATION - MAINTENANCE



Load capacity:  
50 kN, 150 kN,  
250 kN, 400 kN



Assembly slide throat for separators  
Height adjustable:  $h=250$  mm  
Lid accepts load from the road

### STANDARD DIMENSIONS OF SMALL SEPARATORS

Separator type Volume [l]	Length L [mm]	Width B [mm]	Height H [mm]	Total height h [mm]	Input U [mm]	Output I [mm]	VU [mm]	Pipes ØD [mm]	Flow Q [l/s]
800 l	1500	750	800	1300	620	675	680	Ø 110	1.6
1200 l	1500	850	1000	1500	620	675	880	Ø 110	2.2
2000 l	2000	1000	1100	1600	620	675	980	Ø 110	3.0
2500 l	2500	1000	1200	1700	635	700	1065	Ø 125	6.0
3500 l	2750	1100	1200	1950	920	1000	1030	Ø 160	10.0
5000 l	3000	1250	1300	2050	950	1050	1100	Ø 200	20.0
6000 l	3500	1300	1350	2100	1000	1125	1100	Ø 250	30.0
10000 l	4500	1500	1500	2250	1000	1125	1250	Ø 250	40.0

### WE GIVE SUPPORT FOR INSTALLATION AND MAINTENANCE

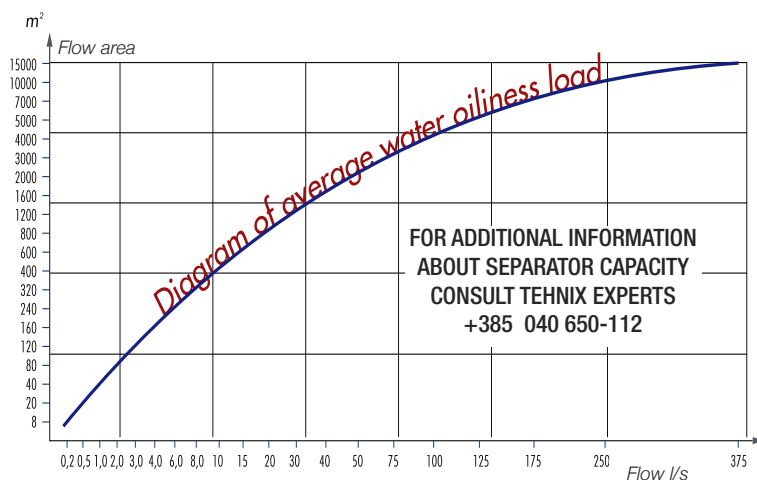
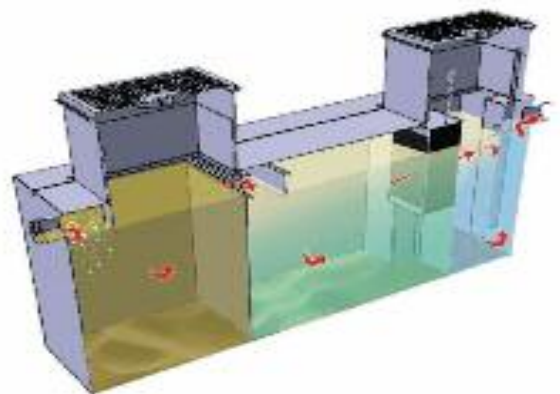


Diagram for determination of separator flow rate



**THE BEST PRODUCT FOR PURIFICATION AND DRAINING OF PRECIPITATION WATER**



# Flow SEPARATORS from 60 - 250 l/sec

For separation oils and grease, sludge, sand, gravel and ashes from precipitation and processed oily water



Separators are produced according to EN 858-1 with integrated sedimentation trap and coalescent replaceable cartridge.

Quality of purified water at the separator exit is less than 5 milligrams per liter.

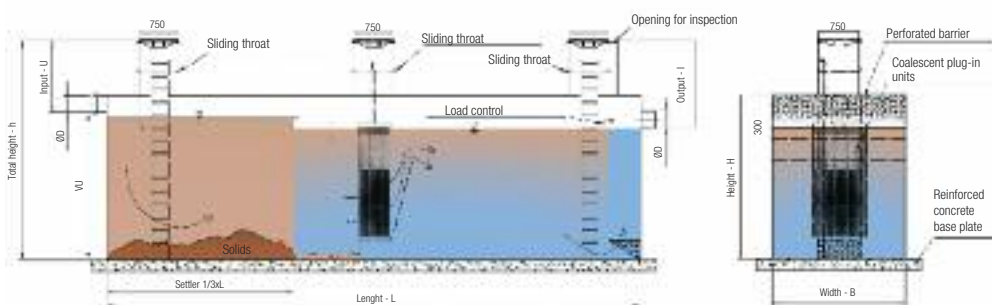
**Installation:** In the ground, in a pit excavated at the depth of  $h+20$  cm, with projection dimensions  $L \times B$ , onto prepared, leveled and pressed gravel, PP foil is placed with allowed deviation to 2 cm. After placing the separator, PVC tubes are connected to rubber input-output O-rings. It is necessary to fill in the separator with clean water up to the output level. Check the tightness of connections. Sliding separator neck with a cover should be adapted to necessary height and fill-up with dirt. Manholes and cover installed in the pavement should be reinforced, fill with concrete, cover with asphalt and level.

**Maintenance:** Conclude a contract with an authorized collector of waste oils and grease. When necessary, oils and grease should be discharged from the separator and disposed according to the Hazardous Waste Act.

For greater capacities, we design separators with By-pass system or with special constructions.

**TEHNIX SEPARATORS ARE TYPE CERTIFIED FOR INSTALLATION IN CROATIA AND EUROPE**

## SUSTAINABLE DEVELOPMENT - PROTECTION OF WATER



Load capacity: 50 kN, 150 kN, 250 kN, 400 kN



Separator input pipe

### STANDARD DIMENSIONS OF THE LARGE SIZE SEPARATORS

Separator type Volume [l]	Length L [mm]	Width B [mm]	Height H [mm]	Total height h [mm]	Input U [mm]	Output I [mm]	VU [mm]	Pipes ØD [mm]	Flow Q [l/s]
15 000	6000	1500	1500	2500	1325	1485	1175	Ø 315	60
20 000	6000	2000	2000	3000	1325	1485	1675	Ø 315	80
25 000	6000	2250	2000	3000	1410	1610	1590	Ø 400	100
30 000	7000	2250	2000	3000	1510	1760	1490	Ø 500	125
35 000	8000	2250	2250	3250	1250	1500	2000	Ø 500	150
40 000	9000	2500	2500	3500	1300	1600	2200	Ø 600	200
50 000	10 000	2500	3000	4000	1300	1600	2700	Ø 600	250

### TEHNIX INSTALLATION PROJECT



Unloading and installation of Tehnix separator



An example of a separator installation

**REMARK:** Depth of the input pipe U is determined by the customer and modified depending on the value X. Then the depth of the leveled base h is also adjusted according to the corresponding value. Cast covers of TEHNIX type are installed as a standard for separator with the load capacity of 50, 150, 250 and 400 kN. **Construction:** The basic material is steel 0361, protected by a special coating; connecting pipes (input-output) are made from stainless steel. The complete system is tested and approved: No 32/2006-129. For other questions please contact the manufacturer of SEPARATORS.

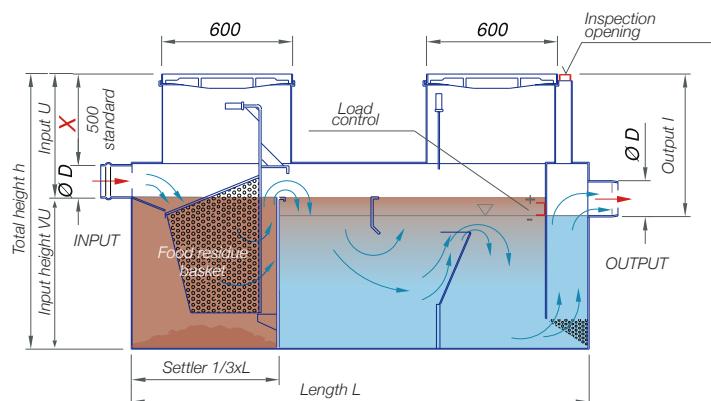
**THE BEST PRODUCT FOR PURIFICATION AND DRAINING OF PRECIPITATION WATER**



# GREASE-TRAPS - SPECIAL CONSTRUCTION

Flow from 1 to 10 l/s, attest number 32/2006-131

Intended for kitchens, hotels, restaurants



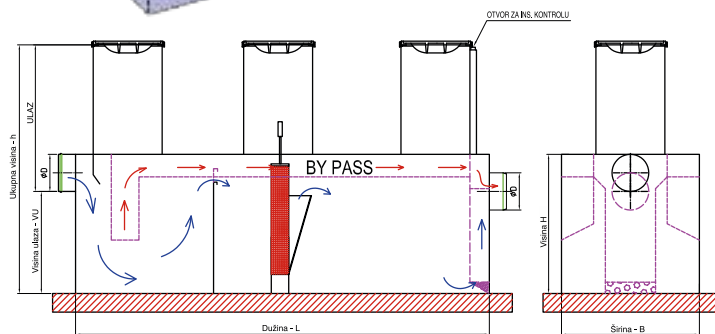
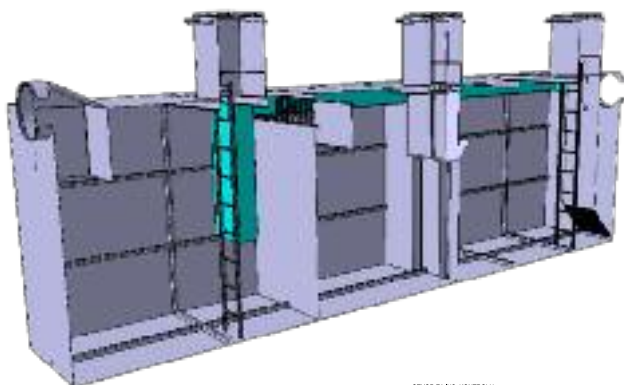
Installation of the grease-trap

**Installation:** In the ground, in a pit excavated at the depth of  $h+20$  cm, with projection dimensions  $L \times B$ , onto prepared, leveled and pressed gravel, PP foil is placed with allowed deviation to 2 cm. After placing the separator, PVC tubes are connected to rubber input-output O-rings. It is necessary to fill in the grease-trap with clean water up to the output level. Check the tightness of connections. Sliding grease-trap neck with a cover should be adapted to necessary height and fill-up with dirt. Manholes and cover installed in the pavement should be reinforced, fill with concrete, cover with asphalt and level.

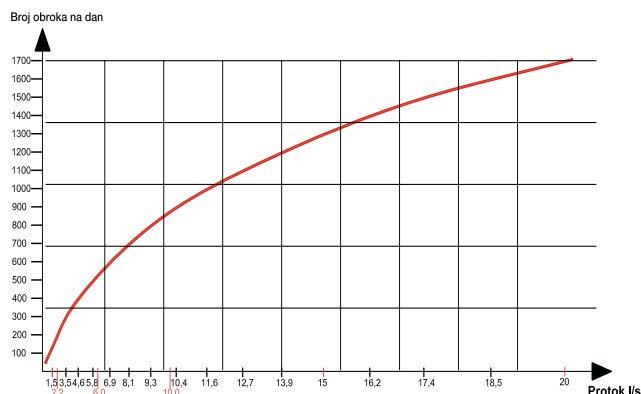
Separator type Volume [l]	Length L [mm]	Width B [mm]	Height H [mm]	Total height h [mm]	Input U [mm]	Output I [mm]	VU [mm]	Pipes ØD [mm]	Flow Q [l/s]
800 l	1500	750	800	1300	620	675	680	Ø 110	1.5
1200 l	1500	850	1000	1500	620	675	880	Ø 110	2.2
2000 l	2000	1000	1100	1600	620	700	980	Ø 110	3.0
2500 l	2500	1000	1200	1700	670	750	1070	Ø 125	6.0
3500 l	2750	1100	1200	1950	920	990	1030	Ø 160	10.0
5000 l	3000	1250	1300	2050	950	1050	1100	Ø 200	20.0

## SEPARATORS WITH BY-PASS

Flow from 3+12 l/s to 250+1000 l/s



Schematic overview of the function



Graphic outline for determination of grease-trap size

**DESING – PRODUCTION – INSTALLATION**



# SPECIAL SEPARATORS

## INTENDED FOR PROTECTED WATER AREAS

For separation oils and grease, sediment, sand, gravel and ashes from precipitation and processed oily water



### DOUBLE WALLED SEPARATORS WITH A CONTROL SYSTEM AND LOAD ALARM

Separators are manufactured according to EN 858-1 with integrated sedimentation device, tank construction according to EN 12285.

**Installation:** In specially protected water areas according to the national and regional plans for water protection against accidental pollution prevention of springs, pumping sites and underground and surface water used for water-supply and irrigation.

**Installation mode:** In the ground, in a pit excavated at the depth of  $h+20$  cm, with projection dimensions  $L \times B$ , onto prepared, leveled and pressed gravel, PP foil is placed with allowed deviation to 2 cm. After placing the separator, PVC tubes are connected to rubber input-output O-rings. It is necessary to fill in the separator with clean water up to the output level. Check the tightness of connections. Sliding separator neck with a cover should be adapted to necessary height and fill-up with dirt. Manholes and cover installed in the pavement should be reinforced, fill with concrete, cover with asphalt and level.

**Maintenance:** Conclude a contract with an authorized collector of waste oils and grease. When necessary, oils and grease should be discharged from the separator and disposed according to the Hazardous Waste Act.

For greater capacities, we design separators with By-pass system or with special constructions.

### TEHNIX SEPARATORS ARE TYPE CERTIFIED FOR INSTALLATION IN CROATIA



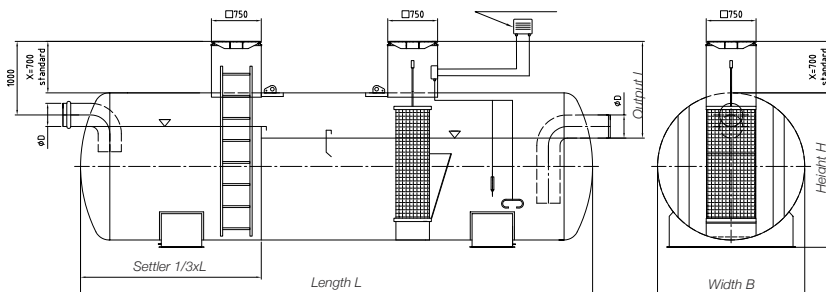
Equipment for the control and alarming in case of separator's overload



Installation of the special separator



Assembly of special separator type TEHNIX



## STOPPERS type TEHNIX

### ONE-SPINDLE AND TWO-SPINDLE



On-site lifting of special separator with lifter



Overview of installed stoppers on-site

**Material:** St 37-2

The whole system is hot galvanized

**Application:** They are installed at overflow dams and regulation drains.

**Drive:** motor or manual

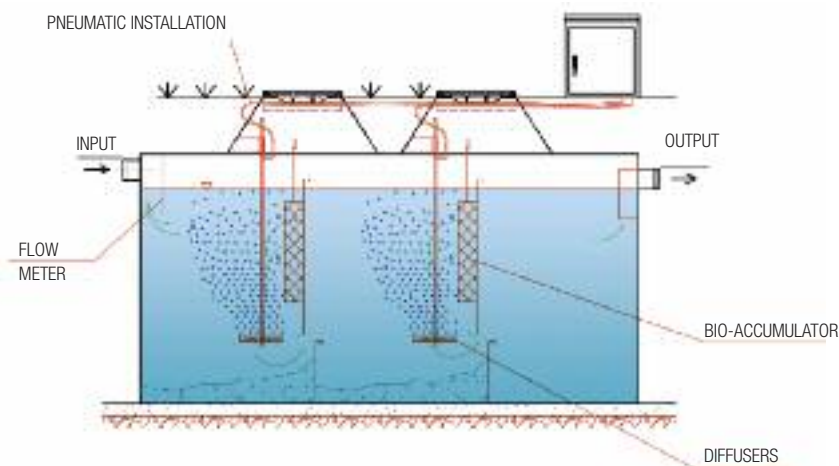
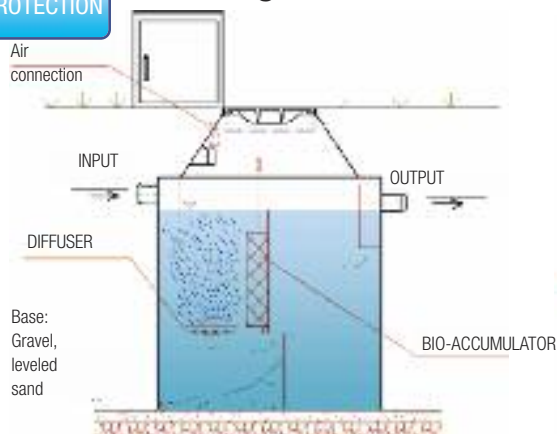
If necessary, a landing for easier access is constructed next to the stopper.

**DESIGN OF THE SPECIAL DRAINAGE SYSTEMS – WE KNOW THE BEST**



# BIO CESSPIT Tehnix

The right solution for lower number of residents, for your house or apartments



**INSTALLATION METHOD:** dig a pit, fill up the bottom with gravel, press it manually or with a machine, level and install BIO CESSPIT. After installation, connect pipes and fill BIO CESSPIT with water.

Air blower

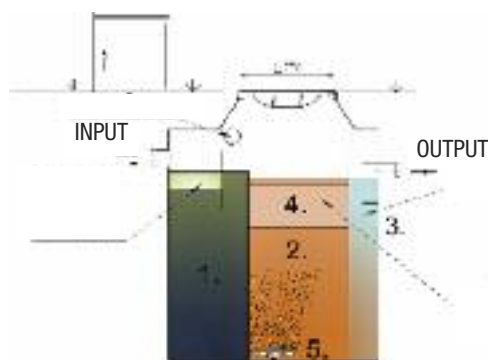


150 lit/min

## eurovix

BIOTECHNOLOGIES FOR LIFE

**ENVIRONMENTAL  
PROTECTION SERIES**



BIO CESSPITS TEHNIX - We install cast iron covers with the load capacity of 50, 150, 250 and 400 kN

Standard bio cesspit dimensions

Device type	No. of persons per day	Daily flow [lit/day]	Organic load [g BPKs/day]	Cesspit dimensions [L x W x H]	Connecting pipes [mm]
BJT-5	up to 5	500	300	1500 x 1500 x 2000	Ø 110
BJT-10	5 - 10	1000	600	3000 x 1500 x 2000	Ø 125
BJT-20	10 - 20	2000	1200	3000 x 2000 x 2500	Ø 160
BJT-30	20 - 30	3000	1800	4000 x 2000 x 2500	Ø 160
BJT-50	30 - 50	5000	2500	6000 x 2500 x 3000	Ø 200

Upon the client's request, bio cesspit can be completely made of stainless steel! Attest - BJT 5 (2977/2006), BJT 10 (2978/2006), BJT 20 (2979/2006), BJT 30 (2980/2006), BJT 50 (2981/2006)

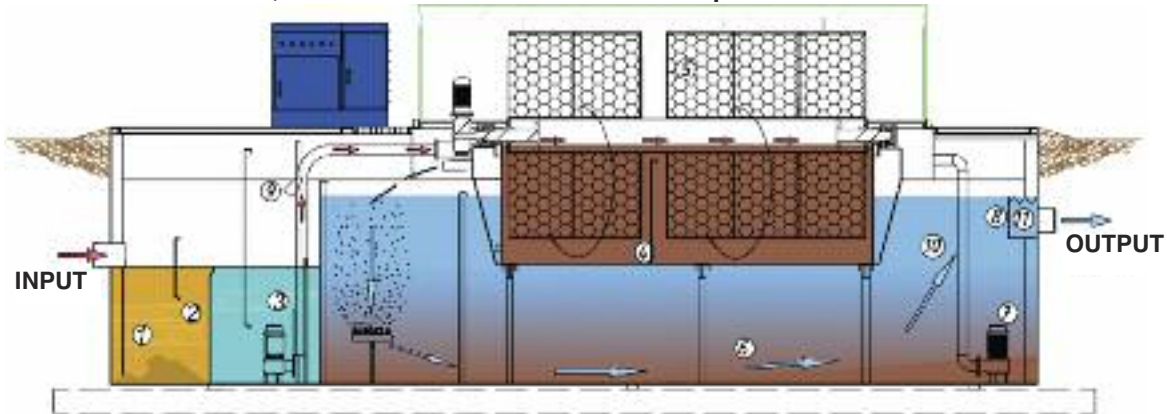
**WE KNOW HOW TO SOLVE YOUR WASTE WATER TREATMENT PROBLEM**



# BIOROTORS TEHNIX

Modern, compact and portable devices for biological aerobic waste water treatment

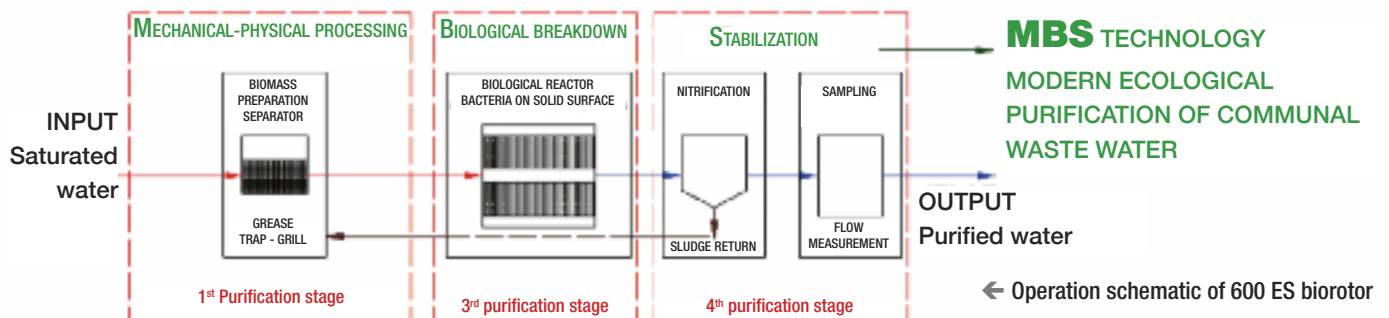
Over 1,500 devices installed still in operation



## DESCRIPTION OF TECHNOLOGICAL PROCESSES OF AEROBIC BIOLOGICAL WASTE WATER TREATMENT

1. Intake chamber with a grill for loading of solid mater, rags, wood and other
2. Sand trap for collection of sand, gravel, ashes and other
3. Pre-pump lifting station with installed double sludge pumps type Tehnix
4. Primary pool bio-mass dosing device of a rotating polypropylene rotor
5. Rotor filled with polypropylene flow honeycomb blocks for biomass maintaining
6. Secondary sedimentation pool of aerobic biological purified waste water
7. Pre-pump system for occasional return of active sludge for nitrification purposes
8. Separation grill installed before water exit from BIOROTOR with MATAALA filter
9. Recirculation and balancing valve of circular process of aerobic water processing
10. Output chamber for collection of waste water samples and access for extraction of collected sludge

Device type	Number of persons (daily)	Daily flow (m <sup>3</sup> /day)	Organic load (kg BPK <sub>5</sub> /day)	Device dimensions (AxBxH m)	Base plate (axb x h m)	Connecting pipes (Ø)	Installed power (kW)
BRT-100	100	10	6	7,0 x 2,25 x 2,25	7,0 x 2,25 x 0,2	160	3,5
BRT-200	200	20	12	8,0 x 2,25 x 2,25	8,0 x 2,25 x 0,2	200	4,5
BRT-300	300	30	18	9,0 x 2,25 x 2,25	10,0 x 2,25 x 0,2	200	4,5
BRT-400	400	40	24	11,0 x 2,25 x 2,25	12,0 x 2,25 x 0,2	200	4,5



## DESCRIPTION OF BIOROTOR FUNCTIONS

- Electric motor EM1 rotates biorotor's rotor and works continuously
- Pumps PMP1 is work pump which is started with level switch (buoy) when there is water flow in collection chamber
- Pump PMP2 is a spare pump which is also started by level switch (buoy) when water flow in the collection chamber is higher than pumping capacity of the work pump or when the work pump is out of order
- Pump PMP3 is used for return of active sludge from secondary settler in the collection chamber and it works in specified time intervals
- Air blower operates in previously specified time intervals and serves for water enrichment with oxygen and removing ammonium from water

## WE HAVE A SOLUTION FOR YOUR PROBLEM OF WATER PURIFICATION

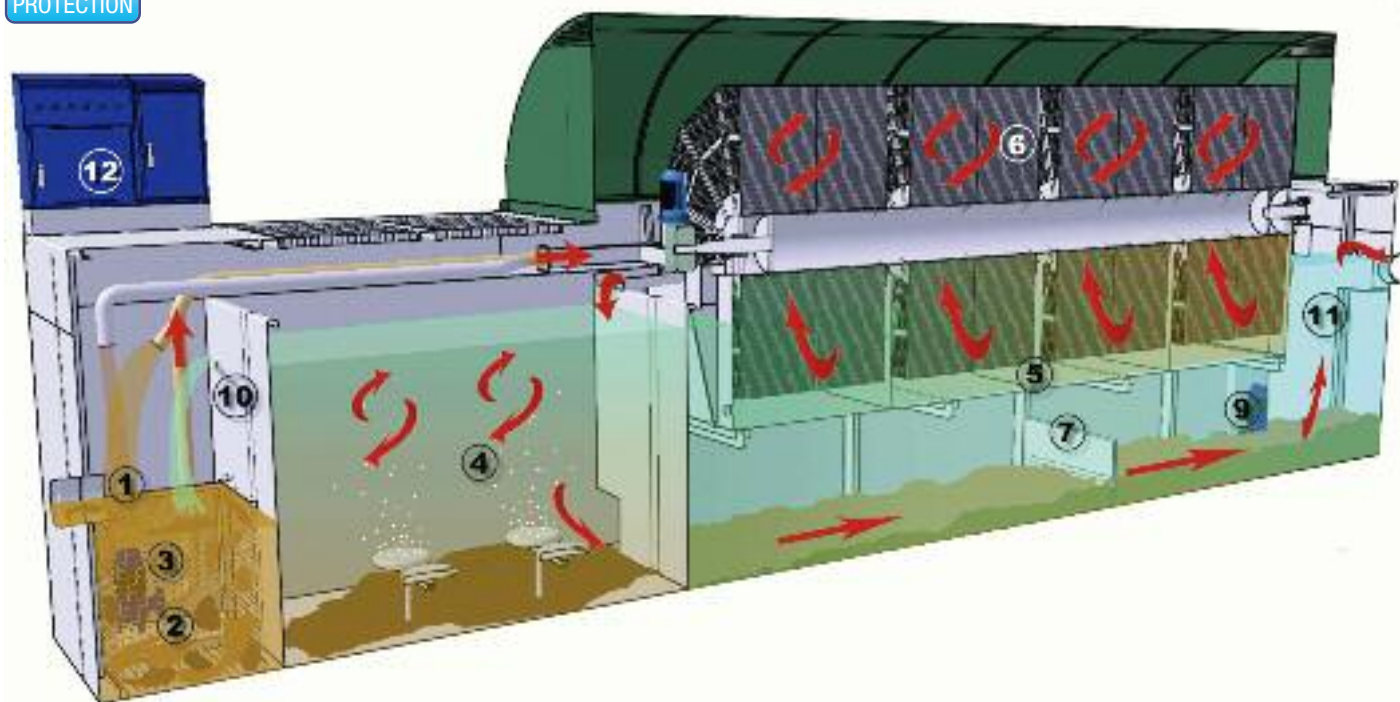


## FUNCTIONAL AND ECONOMICAL SOLUTION



# BIOROTORS - of mid capacities

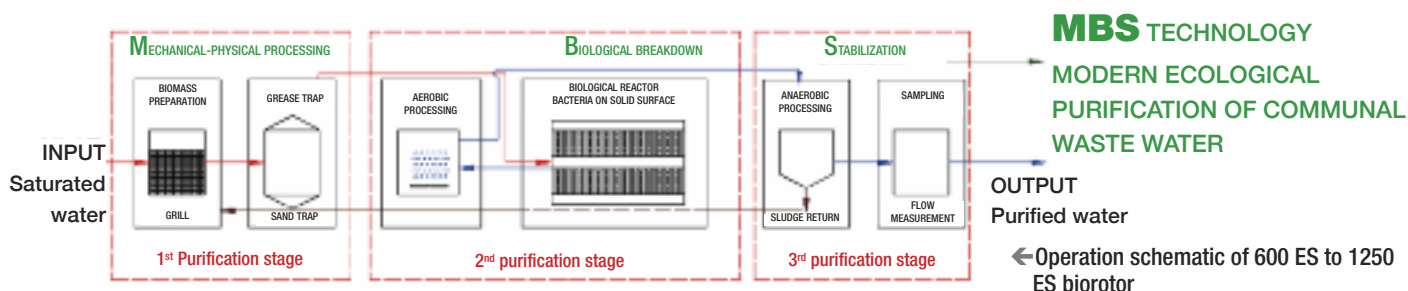
Modern devices for biological aerobic waste water treatment



## TECHNOLOGICAL WASTE WATER PROCESSES IN BIOROTOR

1. Intake chamber with a grill for loading of solid mater, rags, wood and other
2. Sand trap for collection of sand, gravel, ashes and other
3. Pre-pump lifting station with installed double sludge pumps type Tehnix
4. Aeration pool with diffusers - water enrichment with oxygen and ammonium extraction
5. Primary pool bio-mass dosing device of a rotating polypropylene rotor
6. Rotor filled with polypropylene flow honeycomb blocks for biomass maintaining
7. Secondary sedimentation pool of aerobic biological purified waste water
8. Pre-pump system for occasional return of active sludge for nitrification purposes
9. Separation grill installed before water exit from BIOROTOR with MATAALA filter
10. Recirculation and balancing valve of circular process of aerobic water processing
11. Chamber for collection of waste water samples and access for extraction of collected sludge
12. Electric control cabinet with automatic system for air suction

Device type	ES (daily)	Daily flow (m <sup>3</sup> /day)	Organic load (kg BPK <sub>5</sub> /day)	Device dimensions (AxBxH m)	Base plate (axb x h m)	Connecting pipes (Ø)	Installed power (kW)
BRT-600	600	60	36	11,0 x 2,5 x 2,5	12,0 x 3,0 x 0,2	250	6
BRT-800	800	80	48	12,0 x 2,5 x 2,5	13,0 x 3,0 x 0,2	250	7
BRT-1000	1000	100	60	12,0 x 2,5 x 2,5	13,0 x 3,0 x 0,2	315	7,5
BRT-1250	1250	125	75	13,5 x 2,5 x 2,5	14,5 x 3,0 x 0,2	400	8,5



Rotor of biological section of device



Montage of BRT-1500 in Sri Lanka



Biorotor Tehnix built in near apartment complex



# MODERN DEVICES FOR TREATMENT OF MUNICIPAL SANITARY WATER FOR SMALLER RESORTS AND HOTELS



## TESTING OF THE FUNCTIONALITY OF TEHNIX BIOROTOR IN FACILITIES AND LABORATORY OF THE GERMAN INSTITUTE ENTSORGUNGS VERBAND SAAR



OUR WASTEWATER TREATMENT PLANTS HAVE A LONG LIFE SPAN, ARE PERMANENTLY FUNCTIONAL,  
MAINTENANCE IS WITH A MINIMUM COST PER m<sup>3</sup>



# BIOREACTOR PLANTS UP TO 10 000 ES

FOR MUNICIPAL WASTE WATER TREATMENT

DIMENSIONS: length 50 m, width 50 m



## DESCRIPTION OF TECHNOLOGICAL PROCESS

1. RECEPTION WATER CHAMBER WITH PUMPS
2. COARSE REAR GRID FOR RECEPTION AND WASHING OF SOLIDS
3. REAR HYDRAULIC STATION 3 x 4 kW AND BIOMASS PREPARATION
4. GRIT GREASE TRAP CAPACITY 2 + 2 m<sup>3</sup>
5. POOLS FOR AERATION WITH FILLERS FOR BIOLOGICAL PRE-TREATMENT
6. ROTARY WATER MIXING SYSTEM IN POOLS 2 x 1,1 kW
7. PRIMARY POOLS - DISPENSERS AND WATER RECIRCULATION
8. BIOROTORS (BIOLOGICAL ROTARY WATER TREATMENT)
9. PRIMARY SEDIMENT POOLS (COLLECTORS OF ACTIVATED SLUDGE)
10. SECONDARY SEDIMENT POOLS AND SLUDGE STABILIZATION
11. PREPUMPING SYSTEM FOR RETURN OF ACTIVATED SLUDGE
12. STABILIZATION CHAMBER
13. OUTPUT CHAMBER (OPTION WITH FLOW METER)

Device type	ES (daily)	Daily flow (m <sup>3</sup> /day)	Organic load (kg BPK <sub>5</sub> /day)	Device dimensions (AxBxH m)	Connecting pipes (Ø)	Installed power (kW)
BRT-1000	1000	100	60	25,0 x 20,0	315	10
BRT-1500	1500	150	100	30,0 x 20,0	315	15
BRT-2000	2000	200	120	35,0 x 25,0	315	20
BRT-2500	2500	250	150	35,0 x 25,0	400	25
BRT-3000	3000	300	180	40,0 x 30,0	400	30
BRT-4000	4000	400	240	40,0 x 30,0	600	40
BRT-5000	5000	500	300	45,0 x 30,0	600	50
BRT-10000	10000	1000	600	50,0 x 50,0	800	80

## CHARACTERISTICS OF STANDARD BIOREACTOR PLANTS FOR MUNICIPAL WASTE WATER TREATMENT

1. Have the lowest energy consumption per m<sup>3</sup> treated water
2. Most cost-effective facility for the acquisition, operation and maintenance, odor free
3. Efficient and optimal treatment in accordance with the Ordinance on Waste Water
4. Plant with biological decomposition because produce only 30% of sewage sludge
5. The plant processes 100% of faeces and needs the smallest space for construction



WASTEWATER TREATMENT PLANT IN SPA SV. NEDELJA IN THE REPUBLIC OF SLOVENIA



# MODERN DRAINAGE DISTRIBUTION SYSTEM

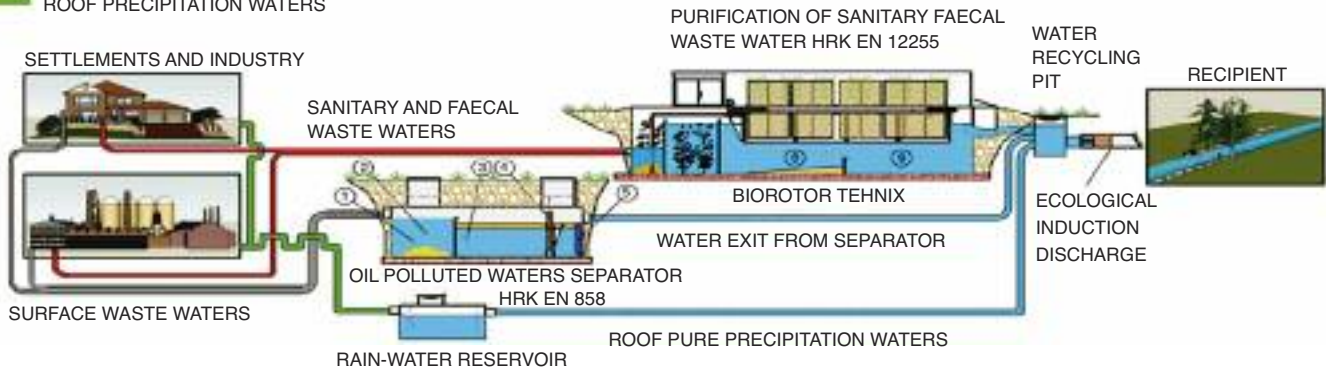
Sanitary faecal, oil polluted surface and roof precipitation waters



## LEGEND

- SANITARY AND FAECAL WATERS
- OIL POLLUTED SURFACE WATERS
- ROOF PRECIPITATION WATERS

## ECONOMICAL AND FUNCTIONAL WATER PURIFICATION



Company Tehnix has manufactured, installed and started in operation the first biological device for water purification powered by solar energy

Future - Tehnix biotor powered by solar energy



Inspection of device at German Institute Entsorgungsverband Saar

**BIOROTORS TEHNIX - THE BEST DEVICES FOR TREATMENT OF COMMUNAL WATER**

## SPECIAL DEVICES AND EQUIPMENT



SCREW SEPARATOR



SLUDGE SEPARATOR FOR BIOREACTORS AND FARMS



# MOBILE OIL STATIONS of 1,000 to 2,000 liters



## MODERN DEVICES DESIGNED FOR YOUR NEEDS ECONOMY, SAFETY, ENVIRONMENTAL PROTECTION

With a device for oil derivatives draining, flow rate meter and automatic nozzle

Application: Industry - for filling of forklifts and trucks; Agriculture - for tractors and working machines; Utility companies, forestry, marinas, islands, motorway construction, various construction sites. The right solution for blue diesel and other purposes.



S-type Tehnix suction  
pressure pump  
0.75/380 V



MNP - 2,000 liters

Mobile oil stations - 1,000 and 2,000 liters



Mobile oil stations - Russia

FUNCTIONAL  
DURABLE  
ECONOMICAL  
STYLISH  
SAFE  
ECOLOGICAL



MNP - 500 liters

## WE PRODUCE MOBILE OIL STATIONS IN STANDARD AND ECO-S VERSIONS

PRODUCT IS PROTECTED BY PATENT No D20000214

It was attested by the Croatian Standards Institute (commission for testing of S-devices), attest No. 01587 of 13.12.2001. All mobile oil stations are provided with complete technical, attesting and testing documentation, user, maintenance and service!

Product warranty is 12 months! Product service life is minimum 20 years.

Standard dimensions of mobile oil stations. Drive: 220 V, 12 V, 24 V, compressed air, S-version 380 V

Pump type	Volume	Container dimensions	Weight	Flow
Vertical MNP-1000	1000 l	Ø 1200 x 1100	180	75/100 l/min
Vertical MNP-2000	2000 l	Ø 1500 x 1400	250	75/100 l/min

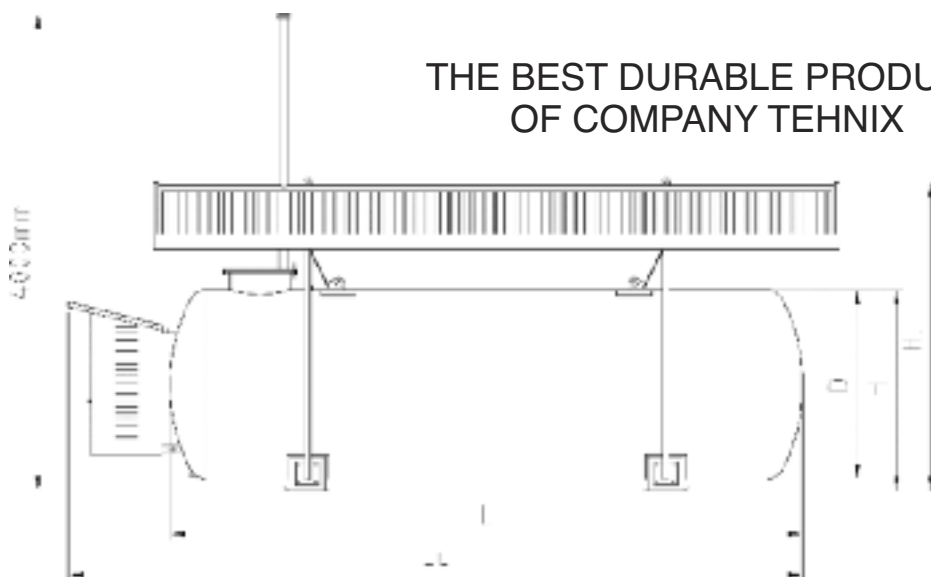
Attest - MNP 1000 (2985/2006), MNP 1000/2000, 12-24 V (2986/2006), MNP 2000 (2999/2007)

**MOBILE OIL STATIONS - BEST CROATIAN PRODUCT IN 2004**



# MOBILE OIL STATIONS TEHNIX of 5,000 - 25,000 liters WITH A CONTAINER - one and two-walled

THE BEST DURABLE PRODUCT  
OF COMPANY TEHNIX



MNP - OMV Istrabenz



MNP - OMV Istrabenz

Type	V [m <sup>3</sup> ]	D [mm]	L [mm]	Lu [mm]	B [mm]	H [mm]	Hu [mm]	Ø [mm]
MNP-5000	5	1600	2820	3840	2170	1700	2600	500
MNP-10000	10	1600	5350	6370	2170	1700	2600	500
MNP-16000	16	1600	8570	9590	2170	1700	2600	500
MNP-20000	20	2000	6960	7980	2410	2100	3100	600
MNP-25000	25	2000	8540	9560	2410	2100	3100	600

## Basic equipment

- Container, one or two-walled
- Protection cabinet of draining equipment
- Pump, 220 V of 50 or 80 l/min. capacity
- Automatic pumping pistol
- Rubber hose with the length of 5, 7.5 or 10 m
- Flow meter of single and total drained quantity
- Eco emergency container 50 l

- Assembly for collection, aeration and safety of oil collection and discharge
- Aeration system is removable and placed directly on site at the height of 4 m!

## Additional equipment

- Roof - removable construction protects the container from direct sunlight and rainfall
- Entire system can be locked.



S-version Tehnix of  
suction pressure pump  
0.75/380 V



Expert opinion of the State Agency for areas threatened by explosive atmosphere, No. 03371 of 22.07.2003. Approved by the National Safety Institute Zagreb, No. 3000/2007. Expert opinion of the Administration for inspection and administrative affairs of the Internal affairs inspection commission no. 511-01-75-13308-1/4-04 of 6 March 2004. All mobile oil stations are provided with a complete technical, attesting and testing documentation, user, maintenance and service manual. Product warranty is 12 months! Minimum product service life is 20 years. The device must be grounded.

**MOBILE OIL STATION - ZLATNA KUNA AWARD FOR INNOVATION IN 2004**

# MOBILE OIL STATIONS WITH AGGREGATES AND IT EQUIPMENT



MNP with computer equipment with the volume of 25,000 liters



Complete consumption recording by magnetic cards



Software is installed according to customer's request



## System description

The system consists of two separate parts.

The first part (right picture) consists of a tank, pump and computer, all situated in the corresponding housings. As such, complete system operates completely independently and satisfies all the needs of automated fuel dispense recording. System also records refilling of tank, serves as central database of all customers, and provides statistical information.

The second part, which is optional, consists of a dislocated computer from which all records of fuel charge and discharge can be monitored, master data can be updated, and statistic reports can be listed. So, this component allows you comfortable work from the office to "live" and current data from the oil pump.





# CONTAINER MOBILE OIL PUMP VOLUME 20 m<sup>3</sup> WITH DISCHARGING SYSTEM



Two walled container pump made according to HRN Z.M8.003 – 1988 standard with the system for receiving of fuel and control. Aggregate dispenser is equipped with metering information system. Use in marinas, camps, companies and public serving fuel systems. Possibility of loading and discharging of oil and gasoline fuel. For the complete device we issue the certificate and attest documentation.

## MEMBRANE MOBILE FUEL STATIONS MBP-1, MBP-2, MBP-3 and MBP-4



It was attested by the Croatian Standards Institute (commission for testing of S-devices), attest No. 02177 from 12.4.2002, version with pneumatic or electrical aggregate 380V. All fuel and oil stations are provided with complete technical, attesting and testing documentation, and maintenance and service manual!

Product warranty is 12 months! Minimum product service life is 20 years.

Model	Station dimensions AxBxH (mm)	Draining capacity l/min	Possible station placement, volume (l)	Station net weight (kg)	Emergency container volume (l)
MBP - 1	1700 x 1560 x 2550	40	1000 vertical	1200	260
MBP - 2	2000 x 1800 x 2870	40	2000 vertical	1600	300
MBP - 3	3000 x 1560 x 2550	40	1000+2000 vertical	2200	450
MBP - 4	3500 x 1560 x 2550	40	2000+2000 vertical	2500	500

**PRESERVE WATER**

# ECO-CONTAINERS TEHNIX

Collectors - waste oil containers

**COLLECT OIL**

Users:

- Workshops
- Companies
- Marinas
- Shell
- Mol
- Castrol
- OMV



ECO-containers for waste motor oils are produced in one-walled and two-walled versions

Eco container	250 l
Eco container	500 l
Eco container	1000 l
Eco container	2000 l
Eco container	2500 l
Eco container	5000 l

All containers are attested in the Safety Institute - Zagreb!

Equipped with collection and draining accessories



Eco-container - 500 liters

← Container for used motor oil with a tank

## MOBILE ECOLOGICAL STORAGE for hazardous waste



Collection of used motor oil in eco container



Hazardous waste storage

### STORAGE DIMENSIONS (EXTERNAL)

Storage type	Height [mm]	Width [mm]	Depth [mm]	Container volume [l]
Type 1	2700	4000	1500	1200
Type 2	2700	3050	1300	1000
Type 3	2700	2550	1300	800
Type 4	2700	2050	1300	600



# ECO CONTAINERS

for old batteries, filters, cloths and medical waste



Containers for old batteries with the volume of 640 and 1,000 liters



Container for oiled clothes and filters with the volume of 640 and 1,000 liters



Container for medical waste with the volume of 640 and 1,000 liters



Eco container for sand and salt with the volume of 320 liters



Container for fluorescent pipes, 1250 and 1600 mm long

ECO CONTAINERS ARE SUITABLE FOR DISPOSAL, KEEPING AND TRANSPORTATION OF HAZARDOUS THAT NEEDS TO BE STORED IN A LEGALLY REGULATED WAY!

Type	Dimensions	Net weight	Load capacity
640 liters	1130 x 930 x 1000	120 kg	640 kg
1000 liters	1400 x 1150 x 950	150 kg	1000 kg

Standard dimensions of a hazardous waste container

## KO-tainers

DEVICES FOR COLLECTION, COOLING AND STORAGE OF SLAUGHTER HOUSE AND FOOD WASTE



KO-tainer with volume of 1.5 m<sup>3</sup> and 3 m<sup>3</sup>

Type	Volume	Power	Dimensions (LxWxH)
1	1.5 m <sup>3</sup>	0.42 kW	1400 x 950 x 1500
2	3 m <sup>3</sup>	0.63 kW	1400 x 1700 x 1500
3	5 m <sup>3</sup>	0.80 kW	2400 x 1200 x 1800
4	10 m <sup>3</sup>	1.10 kW	2400 x 2200 x 1800
5	16 m <sup>3</sup>	1.52 kW	3000 x 2438 x 2591
6	32 m <sup>3</sup>	2.56 kW	6000 x 2438 x 2591
MOBILE rolo KO-tainer		20 m <sup>3</sup>	6200 x 2500 x 2300

### ADVANTAGES OF STORAGE IN KO-tainer:

1. Constant cold air stream ensures uniform cooling and moisture removal from the waste inside the KO-tainer.
2. Constant storage temperature from +4 to +8 °C with the regulation possibility according to the user's needs.
3. Ensured easy manipulation inside the KO-tainer.
4. Storage area is equipped according to the user's needs.
5. Protection against stench, spreading, contagious diseases and rotting.
6. Automatic device's operation all year round.
7. Possibility of remote control via SMS.
8. Minimal power consumption for given storage conditions.
9. High quality materials and attractive design.
10. In compliance with legal regulations.



KO-tainer with volume of 16 m<sup>3</sup> and 32 m<sup>3</sup>

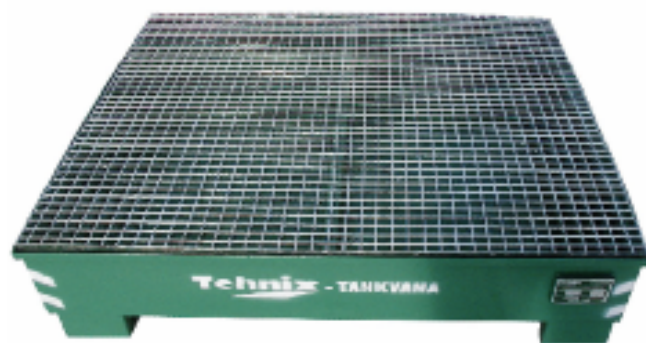
# EMERGENCY CONTAINERS, BARREL STORAGE, SHELF WAREHOUSES



Cisterns on site

They are made of profiled steel materials. They are used as standard barrel holders installed above the emergency containers. They can be produced in one- or two-level versions.

Type	Dimensions [mm]	Load capacity [kg]	Weight [kg]
Eco holder 1	950 x 600 x 530	250	75
Eco holder 2	1270 x 600 x 530	500	125
Eco holder 3	1900 x 600 x 530	750	165



All emergency containers are tested and attested. They are made of profiled steel plates and profiles. They are produced according to European standards. Containers of special dimensions are also manufactured at the client's request. Attest no. 43/2004-12.

Type	Dimensions [mm]	Volume [l]	Load capacity [kg]	Weight [kg]
Eco container 1	800 x 815 x 380	160	600	64
Eco container 2	1000 x 815 x 380	225	1000	85
Eco container 3	1200 x 1200 x 380	280	1200	110
Eco container 4	2500 x 1250 x 380	500	2000	160



Tank with emergency container



Rolo cistern of 5,000 liters



Barrel cart



Practical barrel cart



Barrel pallet



Pallet barrel holders



# STORAGES FOR INFLAMMABLE LIQUIDS OF ALL SIZES

Insulated storages with emergency container and grids



Inflammable liquids storage on site

Type	Dimensions [cm]	Allowed storage volume		Emergency container volume
750	200 x 200 x 230	750	1500	400
1000	200 x 250 x 230	1000	2000	500
1250	200 x 300 x 230	1250	2500	600
2000	200 x 400 x 230	1500	3000	800



Interior of the storage with shelves and emergency container  
Arrangement, shape and shelf load capacity according to the user's needs!



Storage of various applications - slide doors



Storage dimensions - length 3, 4, 5 or 6 meters  
width 2.4 meters  
height 2.6 meters



Air-conditioned storage for inflammable liquids



Bottles storage

## Bottles storage

Size	Length	Width	Height
1	2000	1000	2300
2	2500	1000	2300
3	3000	1000	2300
4	4000	1000	2300

According to the Act on Inflammable Liquids and Gases

# METAL CABINETS FOR STORAGE OF INFLAMMABLE LIQUIDS



Metal cabinets KO-1000



Metal cabinets KO-500



Possible interior arrangement

Cabinet type Tehnix KO	Cabinet width (mm)	Cabinet height (mm)	Cabinet depth (mm)
KO - 500	630	1850	600
KO - 1000	1200	1850	600

# COMMUNAL TECHNOLOGY FOR ENVIRONMENT PROTECTION

## Upgrade of special containers - type TEHNIX



WE DESIGN AND PRODUCE ALL TYPES OF CONTAINERS



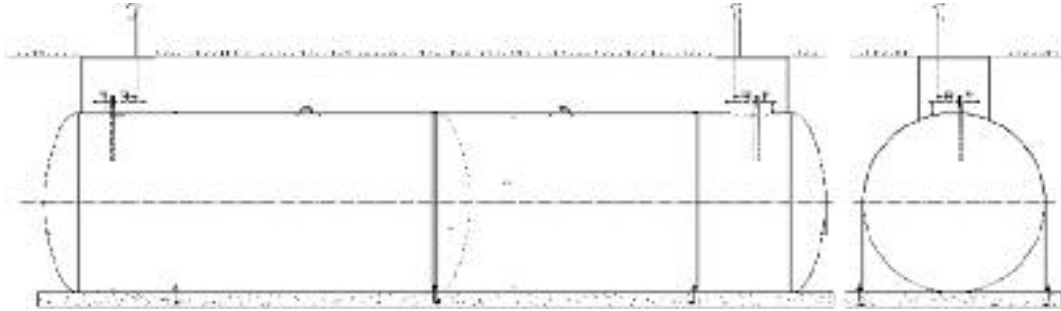
# CISTERNS FOR VARIOUS APPLICATIONS

One-walled or two-walled cisterns with the volume of 5 m<sup>3</sup> to 50 m<sup>3</sup>

Underground horizontal steel cisterns according to DIN 6608

Above ground horizontal steel cisterns according to DIN 6616

Vertical steel cisterns, one-walled and two-walled according to DIN 6618



Vertical cisterns according to DIN 6618

## Wide application cisterns - accessories as requested

One-wall cisterns DIN 6608							Two-wall cisterns DIN 6608				
Type	V [m <sup>3</sup> ]	D [mm]	L [mm]	B [mm]	C [mm]	Weight [kg]	D1 [mm]	L1 [mm]	G [mm]	Weight [kg]	Type
TC - 5/I	5	1600	2820	800	1035	700	1612	2834	365	1275	TC - 5/II
TC - 10/I	10	1600	5350	800	1035	1200	1612	5364	450	2210	TC - 10/II
TC - 16/I	16	1600	8570	800	1035	1800	1612	8584	450	3360	TC - 16/II
TC - 20/I	20	2000	6969	890	1240	2300	2012	6974	500	3930	TC - 20/II
TC - 25/I	25	2000	8540	890	1240	2750	2012	8554	500	4720	TC - 25/II
TC - 30/I	30	2000	10120	890	1240	3300	2012	10134	500	5615	TC - 30/II
TC - 40/I	40	2500	8800	1025	1490	4200	2514	8816	500	7370	TC - 40/II
TC - 50/I	50	2500	10800	1025	1490	5100	2514	10816	500	8930	TC - 50/II



Production of floors from 15 mm thick tin sheets and diameter from 500 to 3000 mm according to norm DIM 28011 (shallow) and DIN 28013 (deep)



Special cisterns manufactured according to DIN norm

# CONTAINERS PRODUCTION PROGRAM

The best containers according to TÜV



- |  |  |
|--|--|
| 1. Business containers                               | 13. Special ecological containers                              |
| 2. Residential containers                            | 14. Containers for electrical aggregates                       |
| 3. Sanitation containers                             | 15. Removable unit for LPG supply of vehicles                  |
| 4. Special EXCLUSIVE containers                      | 16. Typical ecological mobile station, petrol + diesel         |
| 5. Storage containers                                | 17. Storage for flammable liquids of all dimensions            |
| 6. Various types of containers                       | 18. Tekon - recycling storage, business storage                |
| 7. Flat pack containers                              | 19. Mobile ecological house MEK - future project               |
| 8. Telecommunication containers                      | 20. Containers for storage and transport of cisterns           |
| 9. Container settlements with roof                   | 21. TEH-PACK disassembled container for economical transport   |
| 10. KO-tainers - cooled containers (+4°C)            | 22. Prefabricated business-residential modules 4 x 8 m         |
| 11. Containers cooling chambers (-10°C)              | 23. Complete container equipment according to customers' needs |
| 12. Containers for special purposes and applications | 24. Containers according to customers' needs                   |

**WE KNOW  
HOW TO  
SOLVE YOUR  
PROBLEMS  
QUICKLY**

## TÜV tested and certified

### Standard dimensions of TEHNIX business containers

Container type	External dimensions (mm)			Internal dimensions (mm)		
	Length	Width	Height	Length	Width	Height
TX 10"	2991	2438	2591/2800	2831	2278	2250/2500
TX 20"	6058	2438	2591/2800	5898	2278	2250/2500
TX DWC	1400	2438	2591/2800	1240	2278	2250/2500

## WE PRODUCE OTHER TYPES OF CONTAINERS ACCORDING TO CUSTOMERS' NEEDS



**WE MANUFACTURE  
WE INSTALL  
WE LEASE**

**MODERN PRODUCTION OF CONTAINER SYSTEM TEHNIX**



# CONTAINER SETTLEMENTS

Business and residential buildings, hotels, schools, hospitals, shops  
PRODUCTION, DELIVERY, INSTALLATION, DEMOUNTING, SALE, LEASE



Container settlement POLYGONE, Luxemburg



Container settlement Brussels



Container sports stadiums



Container settlement NIŠ, Serbia



Assembly container settlement on site



Container settlement STRABAG in Zadar



Interior of a container settlement with complete equipment



# TELECOMMUNICATION CONTAINERS

Containers with insulation, air-conditioning and electric fittings

High quality, galvanized construction, special colors, good insulation, 20 years warranty



## REFERENCES

CROATIA

SLOVENIA

BiH

KOSOVO

GERMANY

RAILWAYS

INSTITUTES

AGENCIES

WIND MILL

POWERPLANTS



Telecommunication container of various constructions, depending on the operator



Wood plated container



Container adapted to the environment



Container's interior



Telecommunication container "PARK AIR SYSTEM" England



Telecommunication container with a roofing

Containers are equipped with attested electric fittings with special rubber guides for cables, with automatic air-conditioning, grounding equipment...! Complete technical documentation for location permit!



# RESIDENTIAL AND BUSINESS CONTAINERS

High quality, excellent insulation, attractive design, long service life



1. Staircases with platforms
2. Wardrobe cabinets
3. Shelves, racks
4. Various types beds
5. Office furniture
6. Kitchens and sanitary utilities
7. Air conditioning and heating
8. Windows with shutters
9. Roof or overhang
10. Custom equipment

**TEHNIX**  
**YOUR PARTNER**



Residential and business container Polygone



Steel complete welded storage container



**DESIGN ACCORDING TO CUSTOMER REQUEST**



Kitchens



Complete container's equipping - cabinets, shelves, chairs



**FUNCTIONAL INTERIOR OF THE RESIDENTIAL CONTAINER**

# RESIDENTIAL AND BUSINESS CONTAINERS

## CONTAINERS AND CONTAINERS SETTLEMENT EQUIPPING

### SANITARY EQUIPMENT



Luxury equipped containers with sanitary equipment



Design of water supply with Wavin pipes system



Sanitary container with 14 sanitary units



Hot water tank



Wash basins in a container



Showers in a container



Urinal in a container



INOX EQUIPMENT



Reservoir for the temporary admission of faeces from sanitary container



# SPECIAL MODULAR BUILDINGS

Containers for special purposes



## PRODUCTION OF INSULATING PANELS

PANELS WITH POLYURETHANE OR BIODEGRADABLE MINERAL WOOL

WE INSTALLED NEW MODERN  
PLANT FOR PRODUCTION OF  
HIGH QUALITY INSULATING  
PANELS WITH  
POLYURETHANE OR  
BIODEGRADABLE MINERAL  
WOOL OF EXCEPTIONAL  
INSULATIVE FEATURES.

ALL ORDERS ARE SUBJECT  
OF THE BUYER'S REQUEST IN  
DIMENSIONS AND COLORS.



# PERSONAL PROTECTION

Wardrobe and special closets

OF VARIOUS DIMENSIONS – FUNCTIONAL - PERMANENT



Standard version of a closet



Compartments within a closet



Wardrobe closets Tehnix

Version:  
I-part



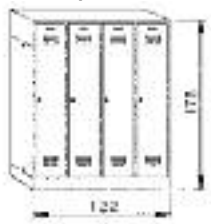
II-parts



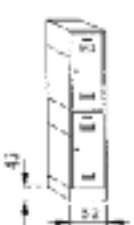
III-parts



IV-parts



Version:  
I-part



II-parts



III-parts



IV-parts



Wardrobe closets for food industry

## METAL ASSEMBLY CONSTRUCTIONS



Metal construction assembly



Modern construction solutions

DESIGN – PRODUCTION – INSTALLATION



# PRODUCTION OF HIGH-PRESSURE VESSELS AND SPECIAL EQUIPMENT FOR ENERGY FACILITIES



Preparation and welding of special casings



Casings processing



Production hall - machine processing



Flanges production by bending on special machine



Final control of finished casings after painting



Sandblasting - painting of special casings



**TEHNIX SOLUTIONS - THE BEST FOR YOUR NEEDS**

**NEW**

## PRESSBOX TERMO 50 / 100

### THE REAL SOLUTION FOR MUNICIPAL WASTE DISPOSAL

CITIES, ENTERPRISES, HOSPITALS, BUILDINGS, MARKETS, HOTELS, RESTAURANTS, CAMPS, MARINES



- HIGH MANUFACTURING QUALITY
- SIMPLY AND FAST INSTALLATION AND ASSEMBLY
- COMPACTING PRESSURE OF MUNICIPAL WASTE 1:10
- TERMO-INSULATED CONTAINER
- GREAT PRESSURE POWER
- HIGH EFFICIENCY AND ECONOMY
- SIMPLY USE
- MINIMAL MAINTENANCE
- INTEGRATED DRIVE HYDRAULIC AGREGATE
- MANUPULATION WITH MUNICIPAL VEHICLE D LIFTER
- SECURED SPARE PARTS AND SERVICE



Technical data

Type	Capacity	Volume of compacting container	Length	Width	Depth / height	Pressing force	Installed power of drive electromotor	Installed power of cooling unit	Hydraulic oil tank
PBT - 50	50 m <sup>3</sup>	5 m <sup>3</sup>	4550/5250 mm	2350 mm	1950/1500 mm	do 320 kN	4,0 kW	0,5 kW	50 l
PBT - 50	100 m <sup>3</sup>	10 m <sup>3</sup>	5315/6050 mm	2570 mm	2275/1600 mm	do 320 kN	4,0 kW	0,5 kW	50 l

## SERVICE LIFTING PLATFORM



- HIGH MANUFACTURING QUALITY
- SIMPLY AND FAST INSTALLATION AND ASSEMBLY
- SIMPLY USE
- MINIMAL MAINTENANCE
- INTEGRATED DRIVE HYDRAULIC AGREGATE
- CONTROL PANEL ON PLATFORM SURFACE
- ADJUSTABLE RECEIVERS FOR HAND TOOLS
- SECURED SPARE PARTS AND SERVICE

Technical data

Type	Length of platform surface	Width of platform surface	Installed power of drive electromotor	Hydraulic oil tank
SMPP-750	3000 mm	750 mm	2,2 kW	30 l
SMPP-1000	3000 mm	1000 mm	2,2 kW	30 l
SMPP-1200	4000 mm	1200 mm	3,0 kW	50 l



# UNIVERSAL ELEVATOR TEHNIX

**NEW**

**NEW ON THE MARKET – SIMPLY AND FAST INSTALLATION – FOR PEOPLE AND CARGO  
WIDE APPLICATION IN BUILDING CONSTRUCTION AND INDUSTRY**



Installation height up to 12.0 m / 4 floors - dimensions and load capacity according to the need.  
ATTESTED BY THE INSTITUTE OF SECURITY AND PROTECTION ZAGREB

## COOPERATION OF THE COMPANY TEHNIX WITH SCIENTIFIC INSTITUTIONS OF THE REPUBLIC OF CROATIA

Innovation and technology transfer - an incentive for economic development

### COMMON OBJECTIVES OF THE COMPANY TEHNIX AND THE ACADEMY OF ZAGREB

- To improve the existing model of municipal waste management in the Republic of Croatia.
- To continue collaboration on the development and application of the best recycling, composting, and RDF fuel production technologies.
- To propose to the Government of the Republic of Croatia and the Ministry of Environment the best technological solutions for sustainable development of the Republic of Croatia.
- To support projects that protect groundwater and air, and achieve circular economy in waste management.
- The company Tehnix together with Academy of Technical Sciences Zagreb will continue to co-operate on the development of the newest technologies financed from EU funds, the World Bank and national sources.

**TOGETHER WE ARE MORE SUCCESSFUL**

**ECOLOGY IS THE SCIENCE WHICH DEALS WITH THE MEDICINE OF THE PLANET EARTH**

THEORY



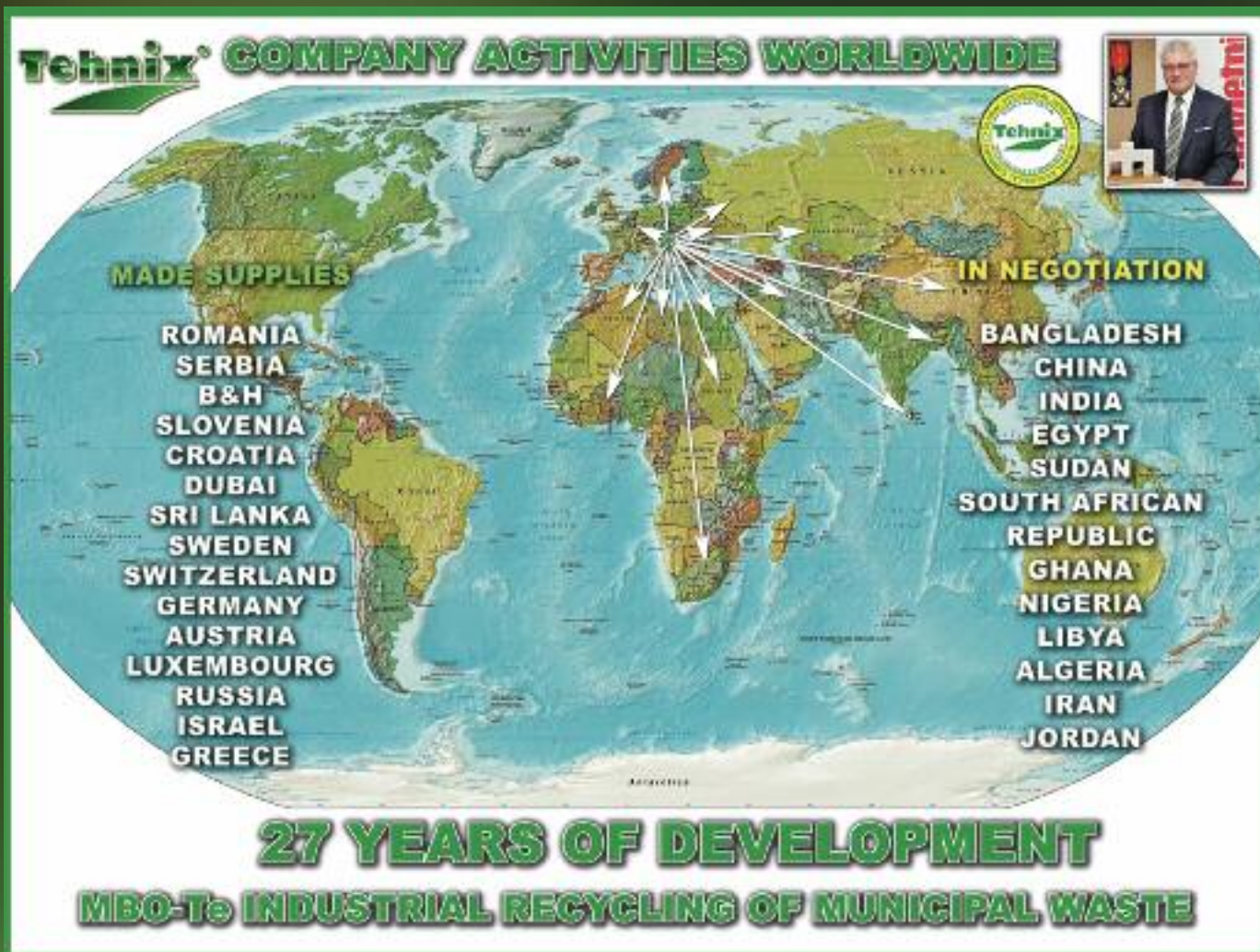
PRACTICE



SUCCESS

# SATISFIED CUSTOMER IS OUR INTEREST

**Tehnix** COMPANY ACTIVITIES WORLDWIDE



**MADE SUPPLIES**

ROMANIA  
SERBIA  
B&H  
SLOVENIA  
CROATIA  
DUBAI  
SRI LANKA  
SWEDEN  
SWITZERLAND  
GERMANY  
AUSTRIA  
LUXEMBOURG  
RUSSIA  
ISRAEL  
GREECE

**IN NEGOTIATION**

BANGLADESH  
CHINA  
INDIA  
EGYPT  
SUDAN  
SOUTH AFRICAN  
REPUBLIC  
GHANA  
NIGERIA  
LIBYA  
ALGERIA  
IRAN  
JORDAN

**27 YEARS OF DEVELOPMENT**

**MBO-Te INDUSTRIAL RECYCLING OF MUNICIPAL WASTE**

TEHNIX PRODUCTS ARE CERTIFIED BY TÜV STANDARD  
TEHNIX PRODUCTS ARE RECYCLED AFTER USE

**EU PROJECT**

PREVENTION

PREPARING FOR  
RE-USE

RECYCLING

OTHER  
RECOVERY

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**TEHNIX**  
**LEADING COMPANY IN ECO INDUSTRY**

**YOUR PARTNER IN ENVIRONMENTAL PROTECTION**

