

EKOENGINEERING

A LIST OF MAIN REFERENCES



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This list presents more than a 40-year history of the production and supplies of the glass fused to steel tanks (enameled tanks) of the company VÍTKOVICE.



Since the very beginnings of the production program of the glass fused to steel tanks (enameled tanks) of the company VÍTKOVICE, we have produced and delivered a lot of tanks. Even it is more than 40 years ago, our tanks have been still in operation meeting their function like new.

*Statistic data of delivered glass fused to steel tanks (enameled tanks)
since the production beginning in 1996 up to now:*

Countries	number of pieces
Czech Republic and Slovakia	6.935
Russia	695
Hungary	138
Poland	207
Bulgaria	21
Yugoslavia	99
Australia	23
Netherlands	1.258
Indonesia	2
Germany	79
Austria	8
Middle East	40
Other countries	79



Technical Application of the glass fused to steel tanks (enameled tanks)

Tanks for the agriculture

Both complete and partial supplies of the tanks and silos for storage of farm sewage, liquid fertilizers, etc.



Malo Knjžovo, Croatia
Dešov, Czech Republic
Kietrz, Poland

Bězí, Czech Republic
Prusínovice, Czech Republic
Íkrov, Czech Republic

TECHNICAL APPLICATION OF THE GLASS FUSED TO STEEL TANKS (ENAMELED TANKS)

Fire tanks.

Reservoirs are intended for storage of fire water which supplies sprinkler extinguishing systems.

A structure of the tanks is according to EN SN Standards as well as according to high FM Global Standards.



glass fused to steel tank



komaxit tank



galvanized tank

sealed fire tank



Tanks for salt and salt brine

The tanks are intended for storage of salt and salt brine for winter maintenance of roads and highways. This covers complete supplies of tanks including all steel structures.



Silo for salt 500t Mestre, Italy



Silo for salt 240t Monteciaro, Italy



Silo Arona, Italy

IMPORTANT SUPPLIES OF WASTE WATER TREATMENT PLANTS

The waste water treatment plant Pohořelice III



A complete technological facility of HYDROVIT SI 900. The intensification of a communal waste water treatment plant. The capacity increased to 14,000 EO.

*The plant investor:
The Municipality of Pohořelice
Price: EUR 550,000.-*

The waste water treatment plant Al Baida, Libya



A supply of technological units of HYDROVIT P. Communal waste waters for the town from 5,500 EO to 33,700 EO in the region of Al-Baida (Green Mountains Region), Libya.

*The plant investor:
The Board of Housing and Infrastructure (HIB), Libya
General supplier:
Biwater, Great Britain*

Price: EUR 2,700,000.-

IMPORTANT SUPPLIES OF WASTE WATER TREATMENT PLANTS

The waste water treatment plant Mikulica, Poland

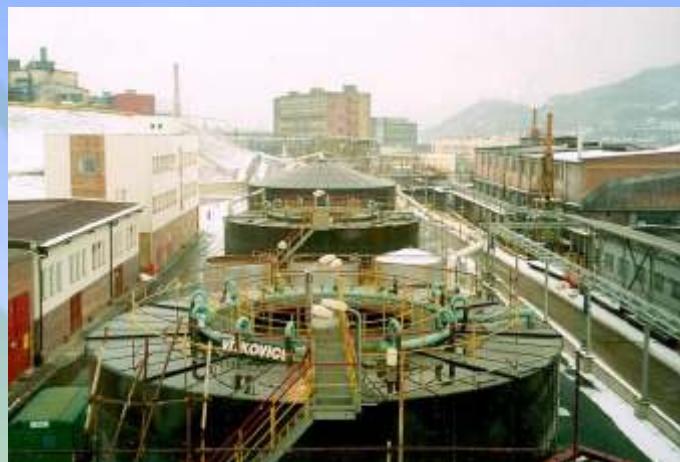


A complete supply of a technological facility of HYDROVIT SI 450. A communal waste water treatment plant with a maximum flow rate of 500 m³/day.

*The plant investor:
The Municipality of
Wola Zyrakowska*

Price: EUR 266,000.-

The waste water treatment plant Spolchemie, Ústí nad Labem, Czech Republic



A complete supply of a technological facility of HYDROVIT. An industrial biological waste water treatment plant of the capacity of 90,000 EO.

*The plant investor:
Spolchemie Ústí nad Labem*

Price: EUR 1,800,000.-

IMPORTANT SUPPLIES OF BIOGAS PLANT

The biogas plant Pust'jov, Czech Republic



A complete supply of a biogas plant.
The biogas plant parameters:
A co-fermentation of the cow and pig sewage with addition of byproducts of the animal and plant origins in the quantity of 130 m³/day of the dry charge in 12%. A mesofile fermentation at 40°C. The electric power production in four co-generation units (the total power output 680 kW) with the time utilization of 95% full output performance.

Execution deadlines:

- The building commencement 9/2006
- Putting in pilot operation 6/2007

The plant operator:
ZEMSPOL STUDĚNKA, a.s.
The station investor:
VITKOVICE ENVI, a.s.

A price: EUR 1,800,000.-

The biogas plant Gu An, China



A supply of the technological facility of the biogas plant including:
-technological tanks 8.57/12.9 m, 2 x 660 m³
-fermentors 9.43/15.1 m, 2 x 670 m³
A daily quantity of farm sewage 100 m³/day. A daily biogas production 2.275 m³/day. The power output of the plant 1,670 kwh/day. The thermal output of the plant 21.5 MJ/m³

The investor:
Lang Fang Pan Wei Environmental Engineering Ltd.

A price: EUR: 1,100,000.-

IMPORTANT SUPPLIES OF BIOGAS PLANT

The biogas plant Sai Feiya, China



A supply of the technological facility of the biogas plant including:
- technological tanks 8.57/12.9 m, 2 x 660 m³
- fermentors 9.43/15.1 m, 2 x 670 m³. A daily quantity of farm sewage 450 m³/day. A daily biogas production 7,200 m³/day. (A farm with 1.5 mil. of ducks). The power output of the co-generation 2 x 142 kW. The thermal output of the cogeneration (50-70 C°) 414 kW
The investor:
Inner Mongolia Sai Feiya Co., Ltd.
Engineering Ltd
The price: EUR: 1,350,000.-

The biggest biogas plant all over the world processing duck manures

The biogas plant Vladislav, Czech Republic



A supply of the technological facility of the biogas plant including: Co-fermentation of fugacity product from the centrifuge with crushed proteins and fat waste of the quantity of 68 m³/day in a dry material to 12%. Thermophilous fermentation at 55°C. The electric power generation in two co-generation units (total power output 570 kWh).

*The plant investor:
Tanex Vladislav a.s.*

The price: EUR: 1,250,000.-

LIST OF REFERENCES Glass Coated Tanks

References from abroad :

2008	Gramada	Bulgaria	Tank for farm sewage 1x15,43/4 Rows
2008	Allmess	Germany	Tank for water 1x 9,13/5 Rows
2008	Pyykkonen	Finland	Silo 1x 8,57/10 Rows
2008	Pian del	Italy	Tanks for salt brine 5,14 m/6,5 Rows - 140 m ³
2008	Tonadico	Italy	Tanks for salt brine 5,14 m/3 Rows - 200 m ³
2008	Lana	Italz	Tanks for salt brine 5,14 m/5 Rows - 200 m ³
2008	Jelka	Slovakia	Tanks for water 1x 6,86/4 Rows
2008	Anonmonth	Ireland	Tanks for water 1x 6,86/6,5 Rows
2008	Doha	Qatar	8x Tanks for water
2008	Abu Dhabi	UAE	6x Tanks for water
2008	Erbil	Iraq	1x Tank for water
2008	Ballysichard	Great Britain	Tank for water 1x6,86/4 Rows
2008	Asrinagh	Great Britain	Tank for water 1x 9,43/7 Rows + 1x 5,14/4
2008	Ratfyn	Great Britain	Tank 1x 12,00/4 Rows + 6,00/3,5 Rows
2008	Anonmonth	Great Britain	Tank 1x 6,86/6,5 Rows
2008	Calne	Great Britain	Tanks 2x 8,57/3 Rows
2008	Throwbridge	Great Britain	Tank 1x 12,00/4 Rows + 1x8,57/3 Rows
2008	Netheranon	Great Britain	Tank 1x 6,00/3 Rows
2008	Antrim	Great Britain	Tank for water 1x8,57/3,5 Rows + 1x 9,43/4
2008	Watterford	Great Britain	Tanks for water 1x 9,43/6 Rows
2008	Watterford	Great Britain	Tanks for water 2x 19,63/5,5 Rows+2x 13,65/5,5Rows
2007	Al-Beida region	Libya	Tanks for 4 WWTPs
2007	Bu Atifiel, Jalu	Libya	Tanks for WWTP
2007	Uszyce	Poland	Tank for farm sewage 1 x 1426 m ³
2007	Czekanow	Poland	Tank for farm sewage 1 x 660 m ³
2007	Olszanka	Poland	Tank for farm sewage 1 x 660 m ³
2007	Bolgrad	Ukraine	Tanks for farm sewage 3 x 38,58/4R, 6877 m ³
2007	Verona	Italy	Tanks for salt brine 5,14m / 6,5 R
2007	Bressano	Italy	Tank for salt 5,14 m / 5 R
2007	Nortmoor	Germany	Tanks for farm sewage 1 x 15,43/3R + 1 x 17,14/2R
2007	Dubai	SAE	Tanks for water 1 x 10,29 / 3R
2007	Molve	Croatia	Tank for farm sewage 1 x 1200 m ³
2007	Kozarac	Croatia	Tanks for farm sewage 3 x 4500 m ³
2007	Karanac	Croatia	Tank for farm sewage 1 x 3700 m ³
2006	Abu Dhabi	SAE	Tanks for water 2 x 4400 m ³
2006	Riyadh	Saudi Arabia	Tanks for water 2 x 25,71 / 3R
2006	Jeddah	Saudi Arabia	Tanks for water 2 x 8,57 / 2R
2006	Jeddah	Saudi Arabia	Tanks for water 2 x 12,86 / 3R
2006	Jeddah	Saudi Arabia	Tank for water 1 x 13,57 / 3R
2006	Jeddah	Saudi Arabia	Tank for water 1 x 11,14 / 3R
2006	Jeddah	Saudi Arabia	Tank for water 1 x 7,71 / 2R
2006	Jeddah	Saudi Arabia	Tank for water 1 x 6,86 / 2R
2006	Jeddah	Saudi Arabia	Tank for water 1 x 4,29 / 3R
2006	Malo Kneževø	Croatia	Tanks for farm sewage 2 x 2000 m ³
2006	Brod Pustara	Croatia	Tanks for farm sewage 2 x 1650 m ³
2006	Kloštar	Croatia	Tank for farm sewage 1 x 1500 m ³
2006	Prudnik	Poland	Tank for farm sewage 1 x 1192 m ³
2006	Kietrz	Poland	2 x Tanks 8,57/485 m ³ + 2x 11,14/1R Emergency chamber
2006	Wieszczyzny	Poland	Tank for farm sewage 1 x 2440 m ³
2006	Kietrz	Poland	Tank for farm sewage 2 x 3713 m ³
2006	Radymno	Poland	Tanks for WWTP
2006	Montechiaro	Italy	Tank for salt 5,14 m / 5 R
2006	Bydgoszcz	Poland	Tank for waste water 6,86m / 6 R
2006	Schlatt	Switzerland	Silo for feed 6,00m / 13 R
2006	Valle del Salto	Italy	Tank for salt brine 5,14m / 6,5 R
2006	Ala	Italy	Tanks for salt brine 5,14m / 6,5 R
2006	Vipiteno	Italy	Tanks for salt brine 5,14m / 6,5 R
2006	Sasso Marconi	Italy	Tanks for salt 8,57m / 4 R
2006	Ovada	Italy	Tanks for salt 8,57m / 4 R
2006	Ronco Scrivia	Italy	Tanks for salt 8,57m / 4 R
2006	Manchester	England	Tanks for potable water 2 x 310 m ³
2006	Nortmoor	Germany	Tank for farm sewage 24,00 / 3 R
2006	Arezzo	Italy	Underpass square silo for salt 500 t
2006	Nortmoor	Germany	Tank for farm sewage 1 x 24,00m / 3 R
2006	Schijf	Netherlands	Silo for corn 9,43m/9 R



LIST OF REFERENCES Glass Coated Tanks

References from abroad :

2006	Rohožník	Slovakia	Tank for WWTP 8,57m/4 R
2005	Tymbark	Poland	Tank 1 x 253 m ³
2005	Calafat	Romania	Tanks for WWTP
2005	Ikorodu Lagos	Nigeria	Tanks for WWTP
2005	Muscat	Oman	Tanks for RO plant
2005	Korczowa	Poland	Tank for potable water 1 x 100 m ³
2005	Cashel	Ireland	Tank for farm sewage
2005	Jeddah	Saudi Arabia	Tanks for water
2005	Aqaba	Jordan	Tanks for water
2005	Semnan	Iran	Tanks for water 2 x 3000 m ³
2005	Manchester	England	Tanks for diesel 2 x 270 m ³
2004	Cashel	Ireland	Tanks for farm sewage
2004	Lahti	Finland	Tanks pro composting plant
2004	Kaunas	Lithuania	Tanks for farm sewage 4x2200 m ³
2004	Kombinat Rolny Kietrz	Poland	Tank for farm sewage 5000 m ³
2004	Hvolsvöllur	Iceland	Tanks for WWTP
2004	Jeddah	Saudi Arabia	Tanks for WWTP and water
2003	Carbon Black Jaslo	Poland	Silo for soot 2 x 490 t
2003	Gizycko	Poland	Tanks 4x240 m ³
2003	Citerna	Italy	Silo for salt 750 t
2003	Ceva	Italy	Silo for salt 750 t
2003	Udine	Italy	Tank for salt brine
2003	Montespicchio	Italy	Tank for salt brine
2003	Hastings	England	Tanks for WWTP
2003	Dammam	Saudi Arabia	Tanks for water
2003	Jeddah	Saudi Arabia	Tanks for WWTP
2003	Cashel	Ireland	Tanks for farm sewage
2002	Kombinat Rolny Kietrz	Poland	Tanks for farm sewage 3x5000 m ³
2002	Mestre	Italy	Silo for salt 500 t
2002	Dammam, Jeddah	Saudi Arabia	Tanks for WWTPs
2001	Ostrow Wielkopolski	Poland	Digesters 2x3000 m ³
2001	San Lazzaro	Italy	Silo for salt 500 t
2000	Duda Drobkowo	Poland	Tank for WWTP 3200 m ³
2000	OV Bydgoszcz	Poland	Digesters 2x3000 m ³
2000	Izomat Nová Bača	Slovakia	Tank for milled Nobasil
2000	Lindqvist Kennet	Finland	Silo for silage
1999	Lugo, St. Lazarro	Italy	Tanks for salt brine
1999	OV Weinfelden	Switzerland	Tank for WWTP
1999	Eskymo Łódź	Poland	Tank for WWTP
1998	Master Foods Sochaczew	Poland	Tanks for a WWTP
1998	VSŽ Košice	Slovakia	Tanks for a molasses



LIST OF REFERENCES Glass Coated Tanks

Czech Republic

2008	.Budejovice	Tank for farm sewage 1x 162 m ³
2008	Mist īn	Tank for farm sewage 1x 1485 m ³
2008	Ok īzky	Tank for farm sewage 1x 1650 m ³ + 36 m ³
2008	. Budejovicce	Tank for farm sewage 1x 6,00 m ³ /4 Rows
2008	Kolín	Tank for fertilizer 1x 1132 m ³
2008	Znojmo	Tanks for farm sewage 2x 1132 m ³
2008	Stará Boleslava	Tank for water 1x 10,29 m ³ /7 Rows
2008	T ebelovice	Tanks for farm sewage 1 x 2619 m ³
2008	T mice	Tanks for farm sewage 1 x 1337 m ³
2008	Vítov	Tank for lime 1x 5,14 m ³ / 13 Rows
2007	V esová	Silo for pellets 4,28m / 3 L
2007	Pegas Znojmo	Silos for polypropylene 4 x 280 m ³
2007	Nivnice	Tank for farm sewage 1 x 2183 m ³
2007	Neplachovice	Tank for farm sewage 1 x 1266 m ³
2007	Záhnašovice	Tanks for farm sewage 2 x 3576 m ³
2007	Dešov	Tank for farm sewage 1 x 2490 m ³
2007	íkov	Tanks for farm sewage 4 x 1100 m ³
2006	Prachovice	Tank for fire water 6,00m / 5,5 L
2006	Brno	Tank 1 x 418 m ³
2006	Zlín	Tank 1 x 2996 m ³
2006	T ebo	Tank for farm sewage 1 x 6600 m ³
2006	V t kovice	Tank for farm sewage 1 x 928 m ³
2006	Ok īsky	Tank for farm sewage 1 x 1764 m ³
2006	Kazn jov	Tank for kaolin
2006	Un ovice	Tank for farm sewage 1 x 2939 m ³
2006	Kožichovice	Tank for farm sewage 1 x 413 m ³
2006	Kožušice	Tank for farm sewage 1 x 201 m ³
2005	Bo itov	Tank for farm sewage 1 x 3066 m ³
2005	St bo ice	Tank for farm sewage 2 x 2396 m ³
2005	Plze	Silo for kaolin 400 m ³
2005	Kazn jov	Tank for farm sewage 1 x 857 m ³
2005	Kazn jov	Tank for farm sewage 1 x 500 m ³
2005	Prusinovce-Tu apy	Tank for farm sewage 1 x /2376 m ³
2005	Prusinovice	Tank for farm sewage 1 x 3800 m ³
2005	Rim.Sobota	Tank for farm sewage 1 x 647 m ³
2005	íkov	Tank for farm sewage 4 x 2380 m ³
2005	Ostrava	Tank for farm sewage 1 x 1640 m ³
2005	Lukavice	Tank for farm sewage 1 x 253 m ³
2005	Radešínska Svatka	Tank for farm sewage 1 x 2000 m ³
2005	Mat jov	Tank for farm sewage 1 x 2400 m ³
2005	Prusinovice	Tank for farm sewage 1 x 2100 m ³
2004	Ostrava	Tank for farm sewage 1 x 2120 m ³
2004	Brno	Sludge tank 1 x 214 m ³
2004	Pelh imov	Tank for farm sewage 1 x 1972 m ³
2004	Praha	Silo for calcium chloride 1 x 600 m ³
2004	Ústí nad Labem	Tank 1 x 800 m ³
2004	Mat jov	Tank for farm sewage 1 x 2400 m ³
2004	Trhový Št pánov	Tanks for farm sewage 2x3000 m ³
2004	Ústí n. Labem	Tanks 2 x 600 m ³
2003	Cement Mokrá	Silos for sintered powder 2 x 150 m ³
2003	B ezí	Tank for farm sewage 1 x 2400 m ³
2002	Un ovice	Tanks for farm sewage 2 x 2140 m ³
2002	Kazn jov	Silos for kaolin 3 x 150 m ³
2002	Agro Okluky	Tank for farm sewage 1 x 2100 m ³
2001	Palkovice	Tanks for farm sewage 3 x 1800 m ³
2000	Živa Kolín ZZN Lipec	Tanks for farm sewage 4 x 1800 m ³
1999	Agroslužby Blížkovice	Tanks for liquid fertilizers
1999	Agroslužby Cheb	Tanks for liquid fertilizers 2 x 480 m ³
1999	Kaufland Trutnov	Tanks for fire water
1999	Barum Continental Otrokovice	Tanks for fire water
1999	OV Dolní Rožínka	Tanks for waste water
1999	Vep īn Náhlov	Tank for farm sewage
1998	Železnobrodské sklo Železný Brod	Water tanks
1998	Živa Klášterec n.O. ēské Petrovice	Tanks for liquid fertilizers
1997	ZD D evec ērníkovice	Tank for liquid fertilizers
1997	Procter & Gamble Rakovník	Tanks for fire water 2 x 2000 m ³
1997	Provena T tice- Naho any	Tank for liquid fertilizers 1 x 1800 m ³
1997	ZD Viš ové	Tank for farm sewage 1 x 3000 m ³
1997	Likérka Dan k- Ostrava	Tank for spirit storage
1997	Optimit Odry	Silos for kaolin
1996	Sokolovská uhlána a.s.- Staré Sedlo	Silo for rape
1996	Spolchemie Ústí n. L.	Tanks for chemical WWTP



Dešov,



B ezí



Prusínovice,



Katusice,



íkov,



Prost jov

LIST OF REFERENCES

Waste Water Treatment Plants

2007	Al-Beida region	Libya	Biological Concentric	
2007	Bu Atifiel, Jalu	Libya	Biological Concentric	
2006	Poznan	Poland	Gas Holder 5000 m ³	
2005	Wola Zyrakowska	Poland	H SI 450	
2005	Wierzawice	Poland	H SI 450	
2005	Rokietnica	Poland	H SI 450	
2005	Ikorodu Lagos	Nigeria	Biological Concentric	
2005	Calafat	Romania	Biological Concentric	
2004	Fryšták	Czech Republic	Farm sewage treatment plant	
2004	Wadowica	Poland	H SI 300	
2004	Jaroslawsko	Poland	H SBR 160	
2004	Hvolsvöllur	Iceland	Trickling Filter	
2003	Jaroslawsko	Poland	H SBR 165	
2003	Kraszewica	Poland	H SI 300	
2003	Hastings	England	Biological Concentric	
2002	Tuczempy II	Poland	H SI 450	
2002	Nižny Orly	Poland	H SI 225 K	
2002	Pohořelice III	Czech Republic	H SI 900	
2001	Žuravica	Poland	H SI 600	
2001	Kamie	Poland	H SI 300 K	
2001	Steklno	Poland	H SBR 165	
2000	Czermiń	Poland	H SI 300	
2000	Laszki	Poland	H SI 450	
2000	Narol Ruda Rożaniecka	Poland	H SI 450	
2000	Gizalki	Poland	H SI 300	
1999	Velké Albrechtice	Czech Republic	Gas Holder 1000 m ³	
1999	Fryšták	Poland	H SI 300 K	
1999	Komancza	Poland	H SI 255 K	
1999	Kostkow	Poland	H SI 450	
1999	Bodovka krivosúd	Slovakia	H SI 75	
1998	Mikulica	Poland	H SI 450 K	
1998	Rokietnica	Poland	H SI 300	
1998	Grabownica	Poland	H SI 300	
1998	Radymno	Poland	H SI 255	
1998	Wiazownica	Poland	H SI 450	
1997	Pohořelice	Czech Republic	H 1000 S	
1997	Kelme	Lithuania	H SI 200	
1997	Tuczempy I	Poland	H SI 450	
1996	Moravská Nová Ves	Czech Republic	2x H SI 300	



Wierzawice, Poland



Wadowica, Poland



Wola Zyrakowska, Poland



Komancza, Poland



Steklno, Poland



Eidsfoss, Norway



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