



Budapest Bank NyRt. 10104167-43849000-00000004



# PRESENTATION

of

# SPECIALBAU LTD

Budapest, 16/09/2010.

## The Company

<b>Name:</b>	<b>SPECIALBAU LTD</b>	
<b>Founded:</b>	1991	
<b>Capital:</b>	20 000 000,- HUF	
<b>VAT Nr.:</b>	HU10619647	
<b>Seat:</b>	Csíksomlyó utca 4/B. I/5., 1048, Budapest, Hungary	
<b>Manufacturing hall:</b>	3515 Csány, Központi Major	
<b>Management:</b>	Imre LASKA Balázs CSŐKE István SÁPI Zoltán MOLNÁR István KOHÁNYI	managing director leader of bricklayers leader of steel constructions leader of quality assurance leader of designing

## Building glass melting furnaces



Building all types of glass melting furnaces including building new furnaces, repairing, rebuilding and modernizing existing furnaces.

Building and demolishing chimneys.

Hot sealing works on furnaces.

Assembling and installing dust collectors and electrostatic precipitators.

Designing, assembling and modernizing batch houses.

Designing, manufacturing and installing machines and equipments (batch chargers, firing changers).

Designing and building special furnaces for laboratories.



## References

- Building and modernizing of glass furnaces of GE Hungary Kft:
  - RIBBON furnace (Nagykanizsa): 1992, 1996, 2000
  - Lead-free furnace (Vác): 1995, 1999
  - VELLO furnace (Vác): 1996, 2000, 2004
  - Borosilicate (Budapest): 2001, 2005, 2009
  - Special glass melting furnace (Zalaegerszeg): 1999, 2004
  - Hot sealing works on furnaces
  - Glass drainage
  - Installing electronic boosting
  - Heating up with flue gas generators
- Rebuilding glass melting furnace, Tokodi Üveggyár Kft 2000
- Building glass melting furnace, FALORNI Spa, Napoli, 2001
- Building, heating up and hot sealing works 2 glass melting furnaces, LIGHTTECH Lámptechnológiai KFT, Dunakeszi, 2001 and 2002
- Building and heating up oxy-fuel glass melting furnace with electric boosting, PFLEIDERER Salgótarján RT, 2002
- Rebuilding glass melting furnace, URSA Salgótarján Zrt, 2008
- Repairing enamel furnace, ZALAKERÁMIA RT Tófej, 2002
- Rebuilding coke oven, „Alti Forni” Trieste, Italy, 1991
- Building coke oven, Thyssen, Duisburg, 1991-1992
- Building pusher-type furnace, Hüttenheim, 1992.
- Repairing cupola furnace, Winter-Werke, Stadtallendorf, 1991

## Manufacturing and assembling steel constructions

SPECIALBAU Ltd has great experiences and specialized knowledge about **manufacturing and assembling and welding steel constructions.**

Our main activity is creating whole furnace steel constructions. It is manufactured and pre-assembled in our manufacturing hall and then final assembling at site.



Beyond that we are able to produce batch house steel constructions of glass industry and cement industry, manufacture, assembly and install specialized unique machines and equipments of glass industry, fabricate and install steel chimneys and other industrial steel constructions.

We have a lot of experiences in regular upkeeping and repairing machines and equipments of glass industry.

We have ISO 9001 certification since 1999. It is very important to us working in the highest quality as possible. All of our partners have been fully contented with our services.



## References

- Steel constructions of all glass melting furnaces of GE Hungary Kft
  - RIBBON furnace (Nagykanizsa): 1992, 1996, 2000
  - Lead-free furnace (Vác): 1995, 1999
  - VELLO furnace (Vác): 1996, 2000, 2004
  - Borosilicate (Budapest): 2001, 2005, 2009
  - Special glass melting furnace (Zalaegerszeg): 1999, 2004
- Pipeline works on modernized furnaces (cooling and soft water pipelines)
- Installation an Electrostatic Precipitator on borosiliate furnace of GE Hungary Kft, Budapest, 1998
- Manufacturing and installing batch charger machine in GE Hungary Kft
- Manufacturing and installing batch charger machine in PFLEIDERER Salgótarján RT, 2002
- Manufacturing damper for General Electric Chile Glass Factory
- Manufacturing and installing steel chimney, GE Hungary RT Vác 2001.
- Manufacturing and assembling steel constructions of the whole glass factory, Lighttech Kft Dunakeszi, 2000-2002.
- Manufacturing 800 tons steel constructions for Mordow 3 cement factory through Metálszer 2004 Kft, 2008-2009
- Installation an Electrostatic Precipitator at LightTech Kft, Dunakeszi, 2010

## Heating ups and drainages



We have great experiences in heating ups (including holding and scheduled cooling downs).

Our expert team has been developing unique heat up generators. We already heated up different types of furnaces as you can see in our reference list.

Also we accomplished several scheduled cooling downs and drainage successfully. Our labours are totally qualified in glass drainage. We do drainage in all Hungarian GE Hungary Kft factory, LightTech Ltd and

URSA Salgótarján Zrt (Pfleiderer earlier).

Specialbau Ltd designed and manufactured drag chains in several size regarding to customers requirements.

We have several special tools and equipments for drainage.

Our company is able to do heating up and cooling down schedules, too.



## References of heating ups

Date	site/factory	what	generators
1999. june	GE Hungary RT Zalaegerszeg	glass melting furnace	1
1999. sept	EURAL Bloom	furnace	1
1999. october	EURAL Bloom	furnace	2
2000. january	LIGHTTECH Kft	18 sqm furnace heating up and fulfilling	1
2000. march	PFLEIDERER Rt.	furnace heating up and fulfilling	1
2000. aug.	GE Hungary RT Nagykanizsa	furnace heating up and fulfilling	3
2001. june	GE Hungary RT Zalaegerszeg	furnace holding (1200 °C)	1
2001. july	GE Hungary RT Vác	VELLO-furnace heating up and fulfilling	3
2001. sept.	GE Hungary RT Budapest	hard glass furnace heating up and fulfilling	2
2001. oct.	Tokodi Üvegyár	furnace heating up	1
2001. nov.	LIGHTTECH Kft	experimental furnace heating up	1
2002. april	PFLEIDERER RT	furnace heating up and fulfilling	1
2003. june	EURAL	Alu delivery crucible heating up (1 db)	1
2003. july	EURAL	Alu delivery crucible heating up (2 db)	2
2003. july	GE Hungary RT Zalaegerszeg	heating up and fulfilling	1
2003. aug.	EURAL Bloom furnace	heating up	2
2004. may	HUNGUARD furnace WE	holding (1100°C) and scheduled cooling down (7°C/h) till 170°C	2
2004. aug.	EURAL Tatabánya	BLOOM furnace heating up	2
2004. sept.	GE Hungary Rt Nagykanizsa	RIBBON furnace heating up	4

## Designing

Specialbau LTD can design:

Glass melting furnaces

Glass melting furnace modernization

Chimneys

Steel constructions of glass melting furnaces

Machines for glass industry, dampers

Power engineering, statica and aero calculations and stressing

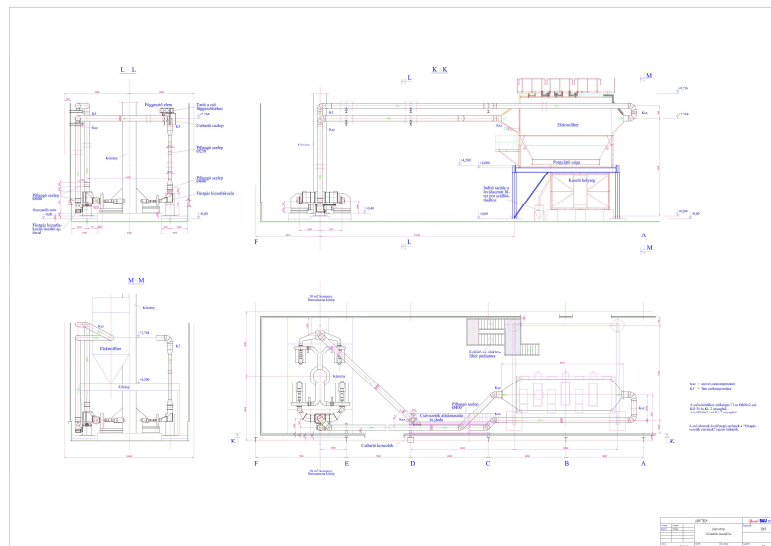
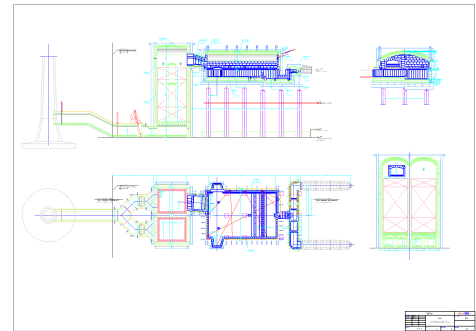
Batch houses

Dust control

Burning systems

Feasibility studies

Expert opinion,  
consultations



## References

- Modernizations of glass melting furnaces in GE Hungary Ltd
  - RIBBON glass melting furnace, Nagykanizsa
  - VELLO furnace, Vác
  - Fritt melting furnace, Zalaegerszeg
  - Hard glass furnace, Budapest
  - Electric heating lead-free glass furnace, Vác
- Whole glass factory, Lighttech Lámpatechnológiai Kft 2000-2001
- Recuperator, Lighttech Lámpatechnológiai KFT, 2001
- Batch house rebuilding, GE Hungary Kft, Vác, 2000
- Batch charger machine, 1998
- Damper, 1998
- Steel chimney, GE Hungary Kft, Vác, 2000
- Glass melting furnace, SORG GmbH
- Oxy-fuel furnace, PFLEIDERER Salgótarján Rt.