

Freelance Glinojek Sugar Plant Modernization



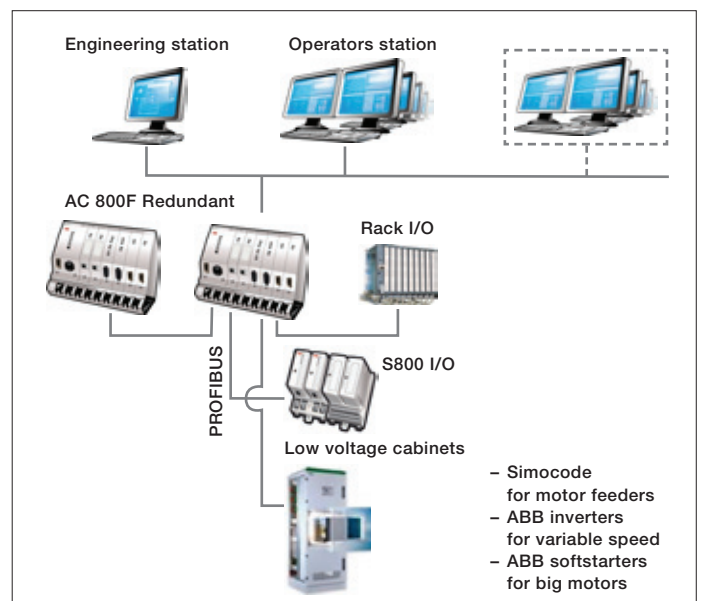
PRO-CONTROL started cooperation with Glinojek Sugar Plant in 1998 with modernization of diffusion, evaporators, raw juice filtration and boilers. Existing pneumatic system started to be replaced by Freelance 2000.

ABB system in Glinojek Sugar Plant

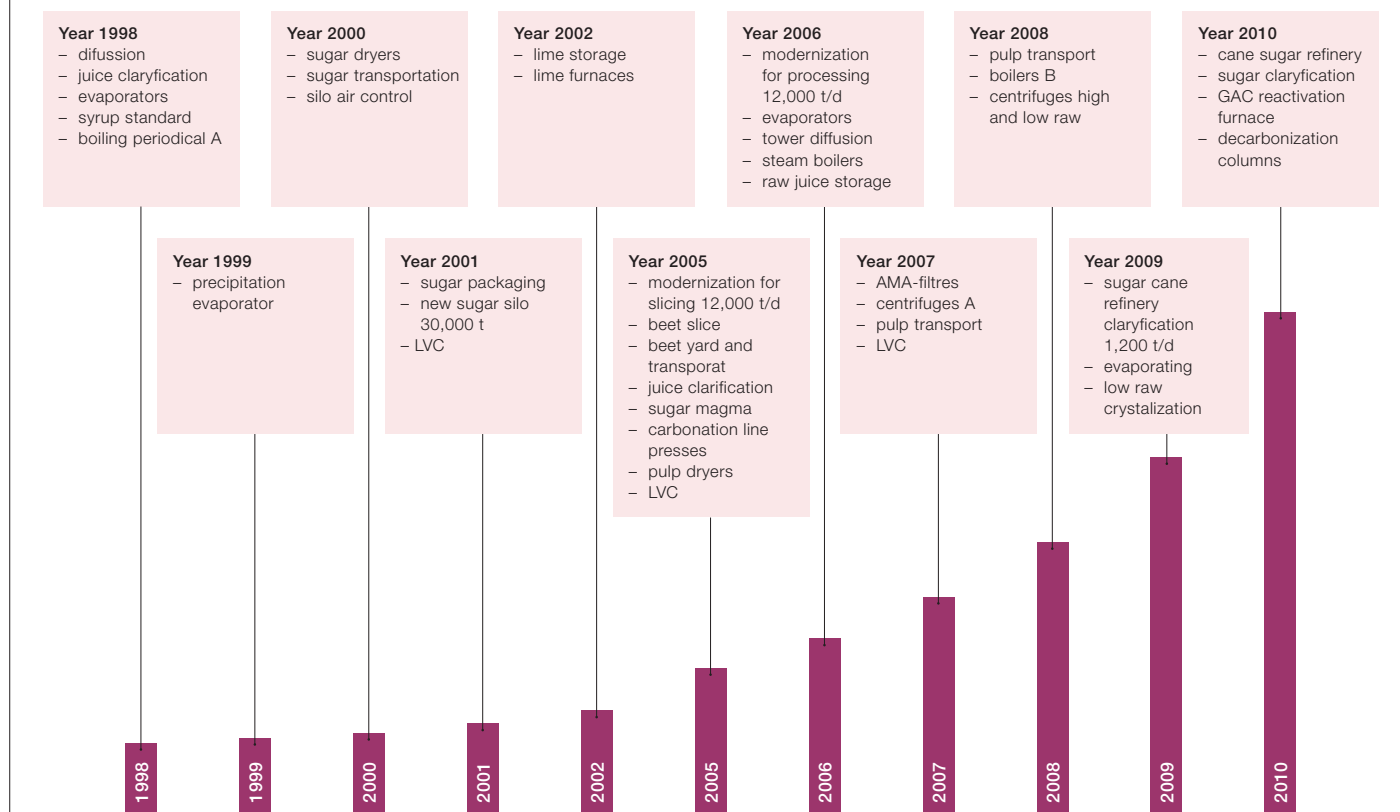
After 12 years of almost continuous modernization of the plant in Glinojek supported by ABB Freelance systems at all facilities except turbine control.

Engineers and operators were given a modern and efficient solution, which consists of:

- 4 Engineer Stations
- 18 Operator Stations
- 28 Process Stations



Glinojek Sugar Plant – Modernization Long-term development



Technological nodes modernized by PRO-CONTROL.

MES Plans

Water usage monitoring – PRO-CONTROL has implemented pilot system for data collecting and analyzing. PGIM is a dedicated solution for production media monitoring, that is necessary in the modern production management. Pilot implementation has helped to identify important sources of cost reduction (water/steam leaks etc.)

Results

ABB Freelance system that was implemented by PRO-CONTROL together with huge technological enlargement has contributed to increase the reliability and clarity of sugar production, which allowed to achieve ambitious business goal. Glinojek Sugar Plant has reached and exceed assumed capacity goals in 2005 (12,200 tons / day) – up to 70%. Of course next year assumed profitability of the production has been reached.

It was possible thanks to the substantial downtime reduction due to new control system and electrical equipment and easy access to all critical information. Reliability and possibility of rapid response and correction of process parameters.

The system's flexibility, size and investment matched with sugar plant process requirements. Scalable Freelance system allows for phased development and system enlargement in the future.

Additionally the coherence of the system allows for easy implementation of PGIM.

12 years of continuous cooperation between ABB, PRO-CONTROL and Customer seems to be the best recommendation of the technical solution and business partnership.



Gliniojeck Sugar Plant in Poland.

PRO-CONTROL Ltd.

The company was established in 1991 and now is one of the leading polish engineering companies in Industrial Automation & Industrial Information Technologies. Company specializes in PLC/DCS applications, industrial software (MES), robotics and vision systems. Pro-Control offers complex services starting from automation audits by electrical design, programming, cabinets and on-site assembling, deliveries ending on the installation maintenance.

Pro-Control company services various industries, among them food & beverage, pharmaceutical, chemical, heavy industries, energetics, gas & oil, automotive.

Sugar Plant Gliniojeck

Gliniojeck Sugar Plant was constructed in late 70's. In 1997 BSO Poland acquired a controlling interest in Sugar Factory Gliniojeck SA, and followed that by under-writing Gliniojeck's share acquisition of two neighbouring factories. Gliniojeck SA become the largest sugar factory in Poland in terms in its daily beet slice and annual production, which in year 2002 was above 100,000 tons of sugar.

BSO has moved production and beet quotes from 4 different sugar plants and concentrated this in Gliniojeck Sugar Plant.

New production strategy tied to the need for replacement of old, treacherous control system and development of production technology for increasing capacity and production effectiveness (7,5 k to 12 k tons/day).

Contact us

ABB AB

Control Technologies

Västerås, Sweden

Phone: +46 (0) 21 32 50 00

E-Mail: processautomation@se.abb.com

www.abb.com/controlsystems

ABB Automation GmbH

Control Technologies

Mannheim, Germany

Phone: +49 1805 26 67 76

E-Mail: marketing.control-products@de.abb.com

www.abb.de/controlsystems

ABB S.P.A.

Control Technologies

Sesto San Giovanni (MI), Italy

Phone: +39 02 24147 555

E-Mail: controlsystems@it.abb.com

www.abb.it/controlsystems

ABB Inc.

Control Technologies

Wickliffe, Ohio, USA

Phone: +1 440 585 8500

E-Mail: industrialitsolutions@us.abb.com

www.abb.com/controlsystems

ABB Pte. Ltd.

Control Technologies

Singapore

Phone: +65 6776 5711

E-Mail: processautomation@sg.abb.com

www.abb.com/controlsystems

ABB Automation LLC

Control Technologies

Abu Dhabi, United Arab Emirates

Phone: +971 (0) 2 4938 000

E-Mail: processautomation@ae.abb.com

www.abb.com/controlsystems

ABB China Ltd

Control Technologies

Beijing, China

Phone: +86 (0) 10 84566688-2193

www.abb.com.cn/controlsystems

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