



BREWERIES AND MINIBREWERIES

**PRODUCTION AND DELIVERY OF
TECHNOLOGICAL BREWERIES EQUIPMENT**

PACOVSKÉ STROJÍRNY

- **PACOVSKÉ STROJÍRNY** is a traditional and dynamic Czech company with a leading position on the Czech mechanical engineering market and a significant presence on international markets.
- We are a significant player on the Czech market with a significant share in foreign markets and an important supplier of complex technological and processing units designed for pharmaceutical, food, chemical, energy and power industries.
- The company's product portfolio consists a several specialized divisions offering the highly professional processing of high-grade stainless steel materials and copper products.
- The history of production at **PACOVSKÉ STROJÍRNY** dates back to 1876 when a coppersmith and boilermaker workshop was founded in Pacov by the Hradecký family. The workshop was one of the first pillars of mechanical engineering in the region on the border of the Bohemian-Moravian Highlands and South Bohemia.
- In addition to the original production and repair of agricultural equipment and the production of distilleries, the company soon began to also focus on other industries, especially the food industry. In response to this expansion, a new plant was built between 1957 and 1963 at the present address.
- In 1991, **PACOVSKÉ STROJÍRNY**, joint stock company, Pacov, was established. The company's manufacturing program draws upon its long tradition, while undergoing significant innovations reflecting the requirements of both domestic and international markets.
- In May 2013, the company became part of the **SAFICHEM GROUP**, whose members operate in the food, chemical and pharmaceutical industries and in power engineering.
- In January 2024, the company became part of the **CHARVÁT Group**.
- For more details you can see www.pacovske.cz

The company's product portfolio includes a wide range of specialised divisions

Pharmacy



Food industry



Chemistry and Energetics



Breweries and minibreweries

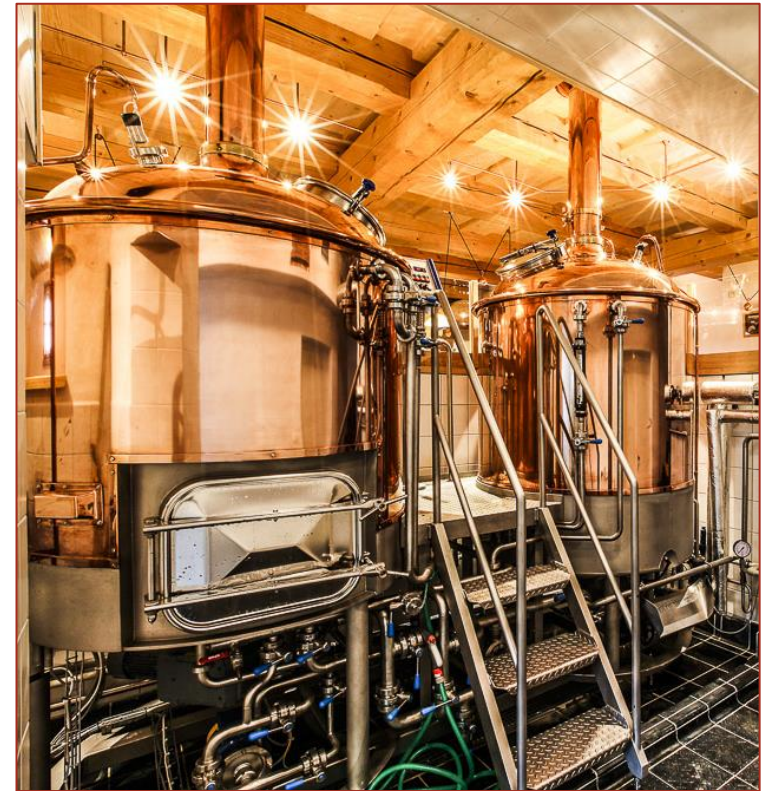


Others:
Technological process units
Industrial and small distilleries
Storage tanks and boilers etc.



BREWERIES AND MINIBREWERIES

- **Minibreweries** with a production capacity of 125 hl/year to 50 000 hl/year
- production and assembly facilities in stainless steel or copper in professional workmanship
- optimal technological equipment of the new brewing operation
- proposal for the reconstruction and modernization of the existing traffic
- heating cooking vessels with steam or electricity
- **Industrial breweries:** Standard production and delivery of equipment for breweries with an annual output of up to 1,000,000 hl of beer.



MINIBREWERIES

- Various modifications with an annual capacity from 125 to 50,000 hls of beer, with heating of brewing vessels by steam or electricity
- **SUPREME QUALITY, RELIABILITY AND LONG SERVICE LIFE**
- Brewhouse control
 - Manual
 - Semiautomatic with automatic mash heating
 - Automatic control of the whole brewing process

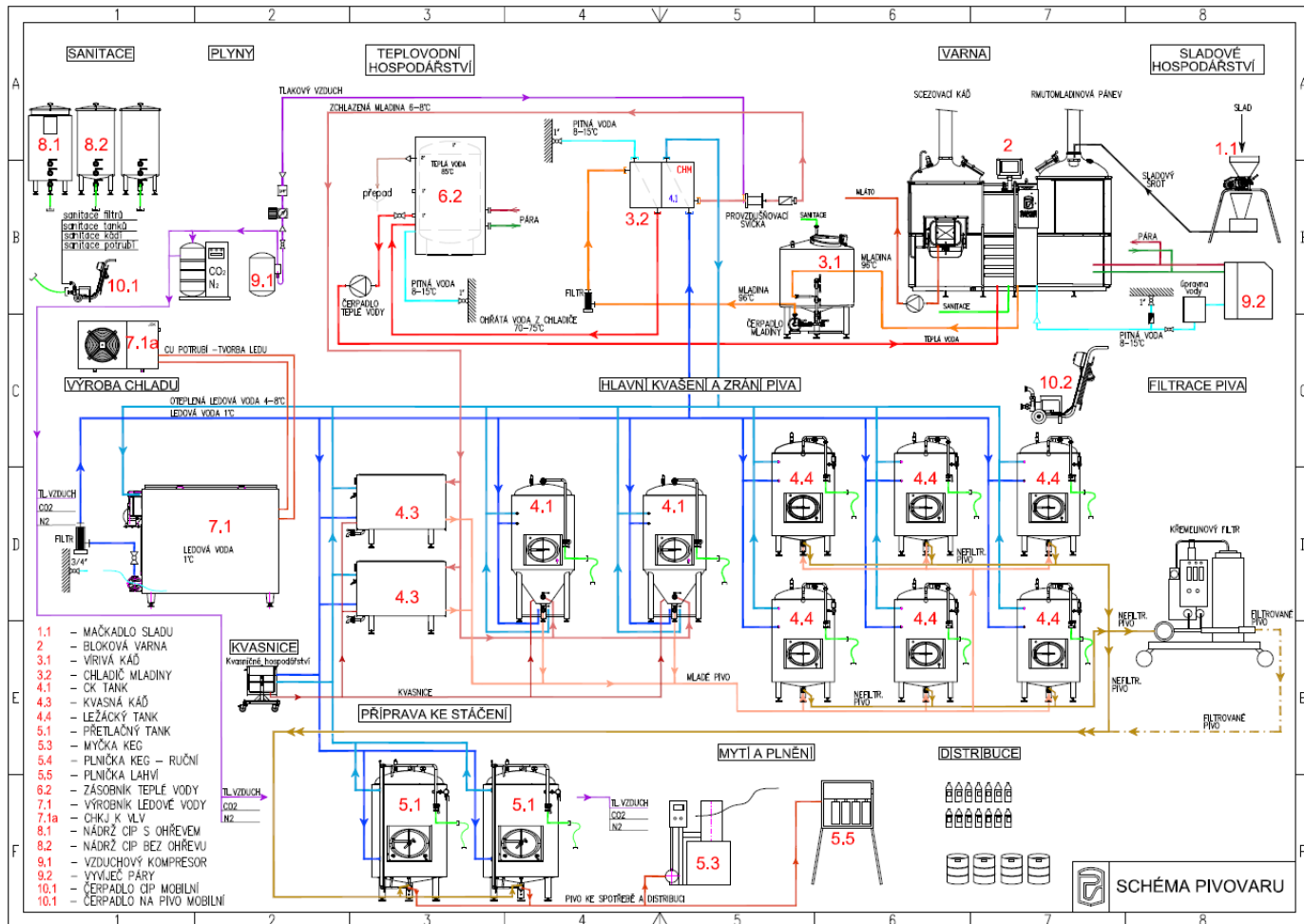


MINIBREWERIES

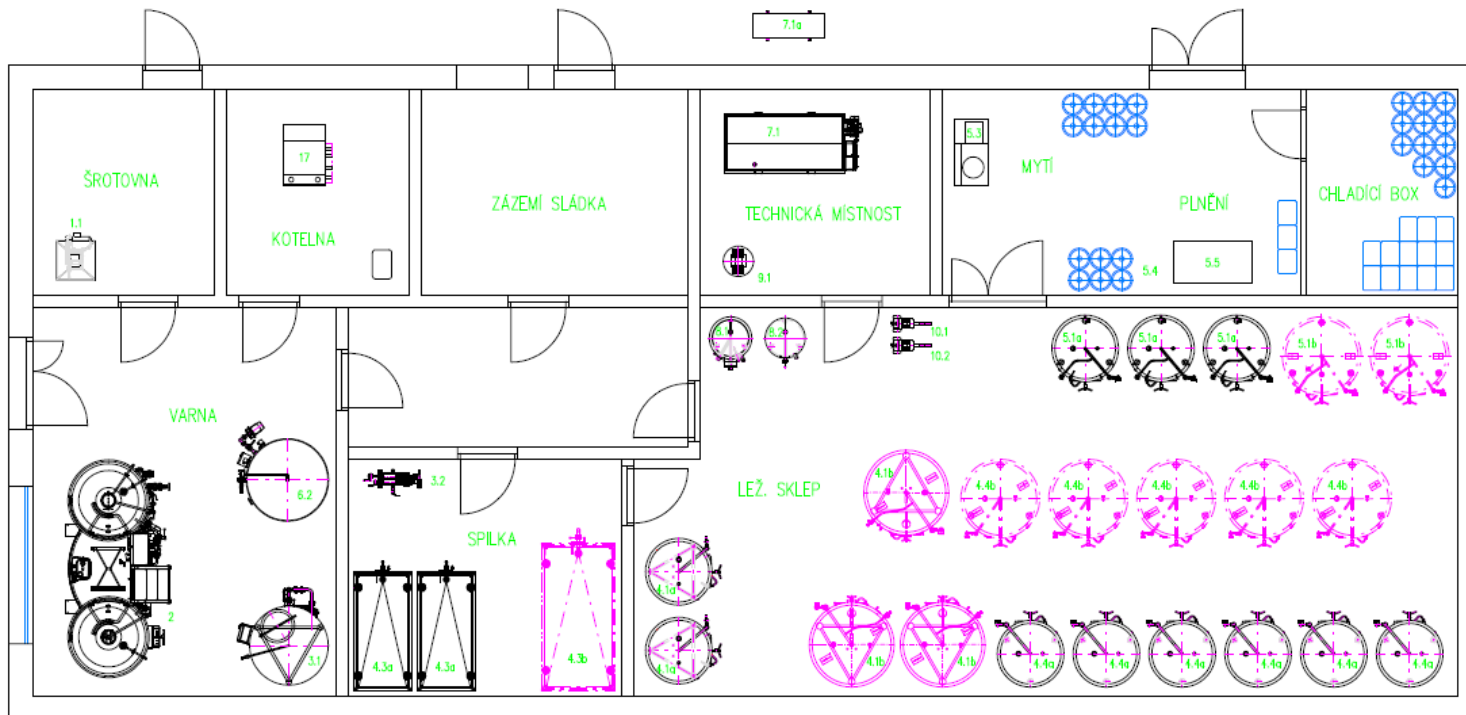
- **2,5 hl (nominal volume) BREWHOUSE**
 - Annual beer output 125 up to 1 250 hls
- **5,5 hl (nominal volume) BREWHOUSE**
 - Annual beer output 250 up to 2 500 hls
- **11 hl (nominal volume) BREWHOUSE**
 - Annual beer output 500 up to 5 000 hls
- **22 hl (nominal volume) BREWHOUSE**
 - Annual beer output 1 000 up to 10 000 hls
- **33 hl (nominal volume) BREWHOUSE**
 - Annual beer output 1 500 up to 15 000 hls
 - with optional extension up to 30 000 hls
- **55 hl (nominal volume) BREWHOUSE**
 - Annual beer output 2 500 až 25 000 hls
 - with optional extension up to 50 000 hls



TECHNOLOGICAL LAYOUT OF MINIBREWERY



DISPOSITION LAYOUT OF MINIBREWERY



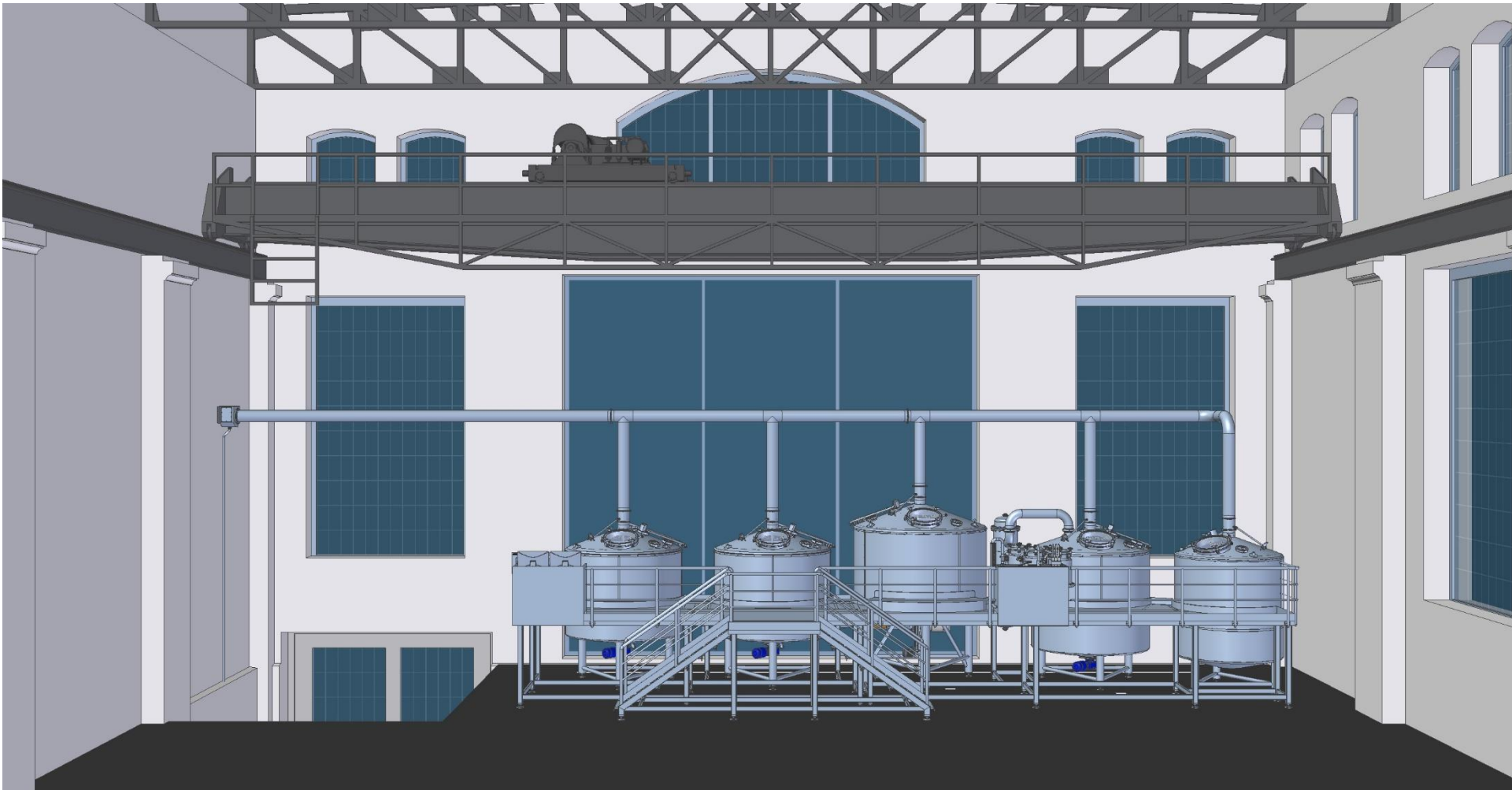
- 1.1 – MAČKADLO SLADU
- 2 – BLOKOVÁ VARNA 11 HL
- 3.1 – VÍRIVÁ KÁŮ 11 HL
- 3.2 – CHLADIČ MLADINY 10 HL/H
- 4.1a – CKT 10 HL
- 4.1b – CKT 20 HL
- 4.3a – KVASNÁ KÁŮ 10 HL
- 4.3b – KVASNÁ KÁŮ 20 HL
- 4.4a – LEŽÁCKÝ TANK 10 HL
- 4.4b – LEŽÁCKÝ TANK 20 HL
- 5.1a – PT 10 HL
- 5.1b – PT 20 HL

- 1 KS
- 1 KS
- 1 KS
- 1 KS
- 2 KS
- 3 KS
- 2 KS
- 1 KS
- 6 KS
- 5 KS
- 3 KS
- 2 KS
- 5.3 – MÝČKA KEG
- 5.4 – PLNÍČKA KEG – RUČNÍ
- 5.5 – PLNÍČKA LAHVI
- 6.2 – ZÁSOBNÍK TEPLÉ VODY 20 HL
- 7.1 – VÝROBNÍK LEDOVÉ VODY VLV 200
- 7.1a – CHKJ K VLV
- 8.1 – NÁDRŽ ČIP 2 HL S OHŘEVEM
- 8.2 – NÁDRŽ ČIP 2 HL BEZ OHŘEVU
- 9.1 – VZDUCHOVÝ KOMPRESOR
- 9.2 – PLYNOVÝ PARNÍ VYVJEČ
- 10.1 – ČERPADLO ČIP MOBILNÍ
- 10.2 – ČERPADLO NA PIVO MOBILNÍ

- 1 KS
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- 1 KS
- 1 KS
- 1 KS
- 1 KS
- 1 KS
- 1 KS

- — 1000 HL/ROK
- - - - 2500 HL/ROK

VISUALIZATION OF MINIBREWERY BREWHOUSE



- Proud Pilsner Brewery (2020)
- Vlachovo Březí Brewery (2019)
- Beránek Brewery (2019)
- Vltavotýnský Brewery, Týn nad Vltavou (2019)
- Pod Besedou Brewery, Tábor (2018)
- Na vývoji Brewery, Vlašim (2018)
- Vojanův dvůr, Prague (2018)
- Říčany Brewery (2018)
- Hnánice Brewery (2017)
- Hluboká Brewery (2017)
- Hostivar II Brewery , Prague (2017)
- Zichovec Family Brewery, Louny (2016)
- Trautenberk Brewery (2016)
- Uhříněves Brewery (2015)
- U Supa Brewery, Prague (2016)
- Na Čtyřce Restaurant, Pelhřimov, (2016)
- Národní Brewery, Prague (2015)
- Svatojakubský Brewery, Náměšť nad Oslavou (2015)
- Revolta Minibrewery, Žďár n/Sázavou (2015)
- Podřipský Family Minibrewery (2014)
- Lyer Brewery, Modrava (2014)
- Rožnovský Brewery, Rožnov pod Radhoštěm (2014)
- Beskydský Minibrewery, Ostravice (2013)
- Hendrych Family Brewery, Vrchlabí (2013)
- U Tří Růží Brewery Prague (2012)
- Tambor Brewery Dvůr Králové nad Labem (2012)
- Hop & Beer Temple, U Orloje Minibrewery, Žatec (2010) ...



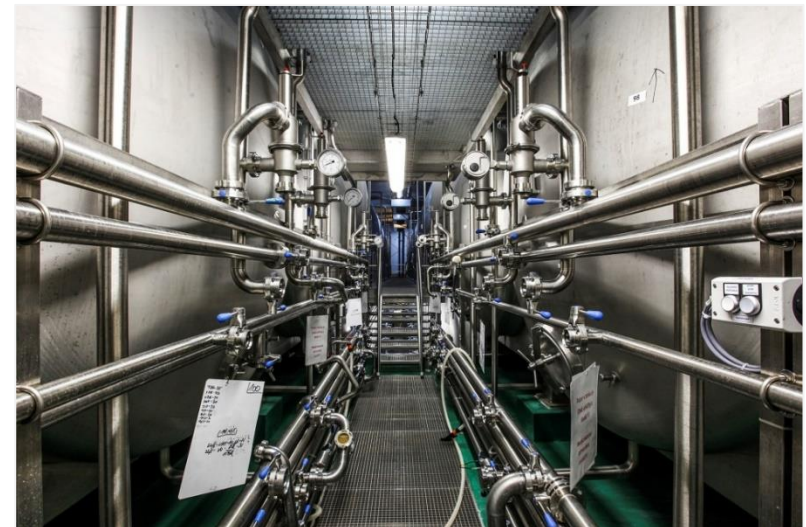
REFERENCES - MINIBREWERIES outside CZ since 2010

- Zapanbrat Brewery, Żywiec, Poland (2019)
- Grundbud Brewery, Poznań, Poland (2018)
- Brouwerij de 7, Amsterdam, the Netherlands (2018)
- TEO, Hniezdne, Slovakia (2018)
- AleBrowar Brewery, Lebork, Poland (2018)
- Dobry Browar, Gniezno, Poland (2018)
- Molson Coors, Zagrebačka, Zagreb, Croatia (2018)
- Browar Klubopiwiarnia, Lodź, Poland (2017)
- Browar Piekarnia Piwa, Niezdara, Poland (2016)
- Crystal Georgia Brewery, Georgia (2016)
- Prague Craft Brewery, Busan, South Korea (2016)
- Browar Maryenstadt, Zwoleń, Poland (2015)
- Kláštorňý Brewery, Bratislava, Slovakia (2015)
- Browar Miejski Sopot , Poland (2014)
- Gorgon's Jekaterinburg, Russia (2014)
- Brewery Friends, Minsk, Belarus (2014)
- Artezán Brewery, Blonie, Poland (2014)
- Karloff, Czech Brewery, Yerevan , Armenia (2012)
- Norilsk Minibrewery, Russia (2010)
- Sankt Petersburg Minibrewery, Russia (2010)



INDUSTRIAL BREWERIES

- Production and delivery of technological equipment for „turnkey“ breweries
- Optimal design of technological equipment of new brewery operations, elaboration of technological project for construction management
- Standard production and delivery of equipment for breweries with an annual output of up to 1,000,000 hl of beer
- Deliveries of complete technological units as well as individual apparatuses and equipment



BREWERIES - MODERNIZATION

- Equipment for reconstructions and modernizations of brewery operations
- Reconstruction and modernization of existing operations
- Realization of assembly work, commissioning of equipment, training of operating personnel



REFERENCES since 2018

- Delivery of 20 tanks with a volume 630 hls for a lagering cellar in Svijany Brewery
- Delivery of whirlpool with a diameter of 4,7 m for Bernard Family Brewery
- Delivery of 10 lager tanks with a volume of 244 hls for Budvar Brewery



REFERENCES – INDUSTRIAL BREWERIES

- Plzeňský Prazdroj (CZ)
- Budějovický Budvar (CZ)
- Bernard Family Brewery (CZ)
- Svijany Brewery (CZ)
- Radegast Brewery, Nošovice (CZ)
- Platan Brewery, Protivín (CZ)
- Bohemia Regent Brewery, Třeboň (CZ)
- Starobrno Brewery (CZ)
- Eggenberg Brewery, Český Krumlov (CZ)
- Hostan Brewery, Znojmo (CZ)
- Strakonice Brewery (CZ)
- Samson Brewery, České Budějovice (CZ)
- Lobkowicz Brewery, Vysoký Chlumec (CZ)
- Nymburk Brewery (CZ)
- Staropramen Brewery (CZ)
- Vyhne Brewery (Slovakia)
- Topvar Brewery, Topolčany (Slovakia)
- Martin Brewery (Slovakia)
- Nikro Brewery, Dolní Kubín (Slovakia)
- Heineken Brewery, Hurbanovo (Slovakia)
- Majkop Brewery (Russia)
- Ragutis Brewery, Kaunas (Lithuania)
- Arak Brewery, Lisakovsk (Kazakhstan)
- Teliani Valley Brewery, Tbilisi (Georgia)
- Astana Brewery (Kazakhstan)



OTHER PRODUCTION POSSIBILITIES



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Thank you for your attention.