



- ▶ Process Piping Systems
- ▶ Mechanical HVAC and Electrical Systems

KROESCHELL PROJECT CASE STUDY:

Goose Island Brewery Process Upgrade and Expansion

THE CHALLENGE:

Goose Island Brewery has become known for its unique barrel-aged brews including the popular Matilda, Sofie and Juliet. With the steady increase in demand from the marketplace, Goose Island recognized the need to increase their production capacity for this type of brew. They ultimately selected Kroeschell to perform the multi-million dollar process line upgrade and expansion.

THE SOLUTION:

During the 23 day shutdown of the facility, Kroeschell dedicated over 5,000 labor hours to complete the upgrade. Kroeschell self-performed all pipe fitting, electrical and control work and took on the general contracting role to manage all other trades.

The project included the demolition of existing:

- Process equipment and piping
- Steam piping
- Condensate piping
- Electrical panels
- Electrical conduit and wire
- Concrete floors in two areas

This project included the installation of new:

- Owner furnished process equipment; mash press filter, centrifugal separator, hot liquor tank, cyclone separator, hammer mill.
- 20 ton make-up air unit for a process area
- 20 ton condensing unit
- Trench drain for a process area
- Stainless steel process piping
- Steam and condensate piping
- Rebar reinforced concrete floors in two areas
- Structural steel support platform and stairway
- Electrical panels/switchgear, conduit and wire

The installation of the new mash filter posed a challenge for Kroeschell as it was the first time the team had installed this type of equipment. Furthermore, the mash filter arrived with several components that were supplied by different manufacturers. It became clear that because the system did not arrive pre-assembled, many field modifications were going to be necessary. Under a tight deadline, Kroeschell worked closely with Goose Island and the manufacturer's technical field personnel to make major modifications to get the system working properly.

THE RESULTS:

While Kroeschell was met with challenges during installation, the project remained on-schedule and was completed on-time. Goose Island restarted their brewing production as planned with new equipment capable of producing 500 additional barrels per week.

CONTACTS:

Al Strohmeier

O: (312) 649-3686 :: M: (312) 446-5905

Al.Strohmeier@kroeschell.com



PROJECT OVERVIEW:

Location: Chicago, IL

Project Scope:

- Complete process line upgrade and expansion to increase capacity to 500 additional barrels per week.
- Over 5,000 labor hours to complete the project in 23 days.

Customer Profile:

Goose Island Brewery was built in 1995 and has more than doubled in size since then. They use 32 fermenters, over 15 different yeasts, state-of-the-art filters, centrifuges and a 50 barrel JV Northwest 5 vessel system that brews 24/7. In 2011, Goose Island announced that it sell its 58% stake in Fulton Street Brewery LLC to distribution partner Anheuser-Busch InBev. Today, their beers are distributed across the US and the United Kingdom.



Headquartered in Chicago since 1879, Kroeschell is a leading provider of mechanical, electrical & plumbing solutions and facility support services for Fortune 500 companies, hospitals, universities and the U.S. Government. From HVAC to industrial production systems, Kroeschell keeps facilities and equipment operating at top performance, across the country and around the globe. We design, build, service and operate the advanced equipment found in today's most complex environments. When Kroeschell is your single source of responsibility, you maximize cost-effectiveness, quality craftsmanship and onsite safety.