



Featured Project

Caldera Brewery

Ashland, Oregon



The Caldera Brewing Company was incorporated on March 12, 1996, and self-distributed its products for the first 6 years. Caldera was the first microbrewery in the State of Oregon to brew and can its own beer. The Brewhouse started as a 6,000-square-foot facility with a 10-barrel system, with fermentation tanks ranging from 10-60 barrels.

Product demand continued to increase, so Caldera Brewery decided to expand its operation to a newly constructed Brewhouse. The new facility consists of a 25,000-square-foot facility located in Ashland, Oregon. This facility includes: a silo area, mill room, brewhouse (mash kettle, hot liquor tank, kettle, lauter tun, whirlpool, hop back, cold liquor tank), fermentation tanks, bright tanks, lager and hop coolers, canning and bottling, boiler, tasting/restaurant areas, and administrative office areas.

ArcSine Engineering performed the following process/mechanical/electrical engineering services:

- Process piping design throughout the facility.
- Coordination with equipment manufacturers (electric, controls, process).
- Coordination with fermentation/bright tanks for glycol piping and instrumentation.
- Design of facility-wide controls, integration among packages.
- Design of glycol piping system.
- Design of steam piping system.
- Building domestic plumbing design.
- Brew area washdown drainage.
- Process and administrative area HVAC design.
- Building power distribution design.
- Building lighting design, including special consideration for process areas.
- Site lighting design.
- Utility coordination (water, wastewater, power, gas, telephone, cable).

Electrical
Mechanical
Programming
Lighting
Power Distribution
Construction Services
Water/Wastewater

