

Job Title:

**24hL Brewhouse**

Company:

**Rye River**

Location:

**Kilcock Co Kildare**

Duration:

**2 months**

Objectives:

- **Commissioning Brewhouse & Fermenter farm**

Rye River company is a beer producer for a wide range of end user in the craft beer industry.

The facility is a 24hL Brewhouse 5 vessel, 2 utility tank and 17 fermenters (from 24hL to 100hL) that include 80 hardwire IOs.

Brewhouse layout:

- Mashtun>Lautertun>Wort Receiver-Kettle>Whirlpool

Customer requirement:

- Be able to produce over 6 brew a day
- Lautertun runs to be below 2hours
- User friendly HMI
- Recipe password protected
- Brewhouse reporting by vessel with breakdown step by step of process
- Brewhouse C.I.P
- Water brew to rinse each vessel individually for Brewhouse

MWCS during project:

- MWCS support the customer and mechanical contractor on the layout of pipe work.
- Sub contract and supervised electrical work for the Brewhouse&Tank farm.
- Commissioning of the Brewhouse at the facility, full IO testing, change of hardcode setting and parameter during commissioning.
- Create correct recipe with Master brewer to get best result of equipment time wise & quality wise. (flowrate,temperature, timing etc)
- Water brew system to rinse individually each vessel of the Brewhouse. This system allows the customer to rinse the Brewhouse between change of colour of beer while in production. (dark beer to clear beer). MWCS approach the project with customer to see what was required as different solution or way to do was possible. With the system in place the customer can now save more than 5 hours between change of colour.