Case Study
A FOCUS ON IMO PRODUCT IN APPLICATION

i³ Intelligent Controller
Micro Brewery
Fermentation Tank Control

www.imopc.com
We were approached by a reputable micro-brewery with a reputation for creating unique hand-crafted beers and ales, who were looking for a control solution to be implemented on their fermentation tanks allowing for remote monitoring in order to maintain production even when no-one was present at the site.

The customer wanted to undertake as much of the integration as possible, yet had no prior experience in PLC programming. It was decided that the optimum hardware for the customer’s requirement was the i3CMini, which is an intelligent controller that packs in the combined features of a programmable logic controller (PLC) and a human machine interface (HMI). The main need was to be able to control fermenting temperatures within the tanks. Previous issues with controlling and maintaining the optimum temperature meant that there were periods of time when the brewery production was halted as it is unmanned for periods of time.

The i3CMini provides remote access, so the customer can now monitor all temperatures during the fermentation process, and keep track of the entire brewing process from the comfort of their own home. This means that they are not only able to see exactly what is happening with the process, they also receive alarms when the system needs attention, plus are able to make changes to various settings in order to maintain production.

The i3CMini is provided with exceptionally intuitive software, and with telephone support from IMO technical experts, the customer was able to program the i3CMini to their exact requirement.

"The IMO solution has given me the ability to keep track of my brewing process remotely. This enables me to maintain optimum production even when not on site.

Having very little experience of PLC programming before, I was able to undertake the programming myself using the really intuitive software, obviously with a little guidance from IMO Technical Support over the phone."

Proprietor, Micro-Brewery