

Faster and easier brewery processes from onsite nitrogen generation

Company: Polly's Brew Co.

Project overview

Installation of a nitrogen generator and associated equipment.

What was needed

The customer was previously only using CO₂ from cylinders for the various brewing processes.

A number of these processes can be done using nitrogen which can be generated onsite, reducing the reliance on external suppliers.

The new equipment will allow the brewery to generate its own nitrogen.



What we did

The following equipment was installed at the brewery:

- Atlas Copco NGM1 membrane nitrogen generator
- Atlas Copco LV4000 11Bar nitrogen receiver
- Atlas Copco GX2EP-10FF0200 receiver mounted
- Atlas Copco PDp50+ filter



The nitrogen generated is used for two of the main process in brewing. First, to push beer from tank to tank, as nitrogen displaces oxygen and carbon dioxide; and second for purging tanks, where residual from the ingredients is removed, preventing it from oxidising in the tank and spoiling the flavour of future batches.

Key benefits

The new equipment has:

- ✓ Made the processes a lot faster
- ✓ Saved the brewery money in the production process, with payback on the new machinery expected in just over a year
- ✓ Secured a reliable onsite supply of nitrogen
- ✓ Given them capacity for growth

Why PPS?

A PPS representative dropped by the brewery for a chat earlier in the year and recommended the switch to generating nitrogen on site instead of relying only on CO₂. While using nitrogen had been on Brewery Manager Sean's radar, he hadn't yet made any plans to investigate this.

Another happy customer

"The team from PPS were brilliant, very professional and well organised. I would highly recommend the company. We couldn't do without the nitrogen package now: it makes the whole process easier and it will obviously help us with our expansion plans when we move to new premises in six months' time."

Sean Wheldon, Brewery Manager and Founder

More about Polly's Brew Co.

Polly's Brew Co is a small independent brewery launched in January 2018 by owner and brewery manager Sean Weldon.



Based on a former farm in Mold, North Wales, the company makes craft beers that are fresh, modern and hoppy. The core Originals range has recently been joined by the new Augment range and the brewery will be expanding into new premises in 2020.



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