



Case Study

Flow Industries

Location: Tegel - New Plymouth Processing Plant
Product Used: Europress Stainless Steel Press Fit Pipe System
Application: Hot and Cold Water, CO2 Gas, Bathroom Plumbing, Nitrogen Gas
Pipe Sizes: ½" (15mm) through to 3" (76mm) Stainless Steel



Flow Industries were awarded the contract for installing the pipework in a complex relocation of a sausage plant from Tegel Auckland and integrating it into the existing New Plymouth plant. The pipe services were extensive and had to be completed in an exceptionally tight time frame, working around the time schedules of the existing plant. As an export grade facility, all pipe work had to be completed to a high hygiene standard. Existing freezer panel posed an extreme fire hazard.

Part of the project included an over 200 metre hot potable water line installed from the existing boiler house, over pipe bridges, roof tops, internal roof spaces, through to the factory floor in Europress. The bulk of this complex 76mm line was installed in approximately 16 hours in very difficult working conditions. This would have taken Flow Industries a minimum of 2 weeks to install in welded stainless steel and would have required specialized fabricators. With only a wheel cutter and battery crimping tool required to complete this line, Flow could keep working through damp weather without the risk of electric power tools, and welding on rooftops. No risk of electric shocks, or electrical leads causing trip hazards across the roof. Power supplies were often a long way from the work positions, but with

battery tools, no generators were required. No hot works permits were needed, reducing Flow's onsite time completing permit forms and waiting during cool down periods, by approximately an extra one hour per day.

The internal fit-out was completed at the end of the project and only allowed for a very small time span to connect water services to the machines. The factory was full of other tradesman trying to complete their projects before start-up. The very little noise created installing Europress gained the appreciation of the other tradesman working in the area. Because of the speed of Europress, Flow Industries completed a vast amount of work in a very tight time frame and finished well ahead of target, an unbelievable result. During this stage of the fit-out, the high hygiene nature of the plant meant that no damage to any of the high-tech processing equipment or hygiene services of the building was permitted. Europress eliminated this risk because no grinding or welding was required.

"Changes due to alterations in processing requirements have been a breeze thanks to the versatility of Europress. Without Europress, the same result could not have been achieved in the time and



Case Study Cont.

budget allowed. Europress, with its smart, professional aesthetics, is an outstanding product that has gained the respect and warm accolades of Tegel, the design engineer, our staff and clients," Manager Eddie Raikes says.

"I have found Europress to be an outstanding product that is immensely beneficial to us and our customers in the vital industries we support. While it is a great system, the real benefits became apparent to us as we completed installations. We found that the huge labour savings gained through using Europress were far from the only benefits. We found it extremely easy and fast to install in difficult work spaces, no hot work permits were required, battery only tooling meant we could continue installing during wet weather. Since we have installed Europress we have found that any alteration to the pipework at a later date has

been very simple, as we can just wheel cut and crimp into the system without draining it. Our customers appreciate the smart aesthetics of this product, which reflects also on our company image. Often our work involves very tight time frames in between production shifts, and thanks to Europress, we can now easily complete these projects in the time frame allowed with a much smaller team. As an employer, the vastly reduced health and safety risk is of immense importance to me as I seek to keep our team as safe as possible in the hazardous environments they work. The outstanding proven reliability of Europress means Flow Industries will be using it for many years to come. Many thanks to the team at Waterworks for your unrivalled support and service."

Eddie Raikes, Manager, Flow Industries.

Talk to our team now about your piping projects 0800 387 677

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