

CASE STUDY:

Norwegian fire safety specialist highlights the importance of quality products



Customer:
HR Sprinkler

Region:
Norway

Project Name:
Large-Scale Residential & Commercial Redevelopment

Product Solutions:
TYCO® Sprinklers and pipes

Profile

HR Sprinkler is a Norwegian sprinkler solutions provider based in Oslo. Formed in 2013 and offering services ranging from CAD to installation, the company had nearly doubled its revenue to more than £4 million in only its second year.

Scope of Works

Despite such success, the company is not aiming for world domination. "We're very happy focusing on the Norwegian market," said Adam Henrysson, Project Manager, HR Sprinkler. "The economy here is doing well, there is plenty of new construction work. Our focus is on quality of service. That will be key to the success of the business."

The company is already involved in some of Norway's most high-profile developments; one being a large-scale redevelopment project in Kvaernerbyen in Oslo.

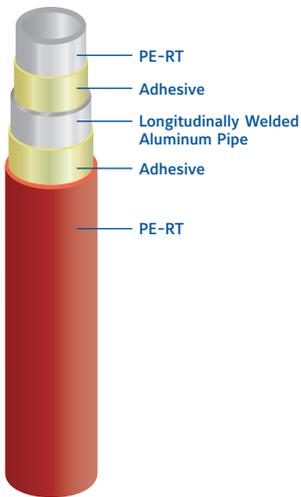
This stunning transformation of a former industrial site, five minutes from the capital's downtown, began back in 2005 with the demolition of various buildings. The masterplan is to create 1,800 new homes and 55,000 sqm of commercial space; most of which is being converted from existing 150-year-old industrial buildings, including a turbine house and water mill.

As with all such complex projects, there are various issues that must be overcome, "There is rigorous site safety," said Henrysson. "Plus, we need the install to be as quick and efficient as possible – it is a very busy site and we also need to keep an eye on cost."

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Globally recognised products that are easy to install and guaranteed to endure



Tyco® MLCP-S sprinkler pipe

Benefits at a Glance

- Specialist products designed to simplify the installation process
- 50% reduction in working man hours
- Globally-recognised brand that helps promote success

Profiled Project Solution

For HR Sprinkler, the solution lies with Tyco® fire protection products and components. For the redevelopment project in Oslo, HR Sprinkler uses Tyco® multi-layer composite sprinkler pipes (MLCP-S). These pipes combine the advantages of both plastic and metal pipes; offering maximum flexibility and robustness as well as high pressure and temperature load capacities.

Tyco® MLCP-S sprinkler pipes consist of a safety-welded aluminium pipe equipped with a single polyethylene layer both on the inside and outside that offers raised temperature resistance. These layers are permanently bound to each other by means of an in-between bond coat.

These Tyco® pipes are designed in such a way that the aluminium layer neutralises the restoring force of the plastic. This makes it much easier for HR Sprinkler to install the pipes because the force needed to bend the pipe can be kept low.

In addition, the use of LFI Residential Sprinklers, with Drop Nipples, allows HR Sprinkler to install all sprinklers and pressure test the complete system before the gypsum ceiling is installed.

This enables HR Sprinkler to adjust fire sprinkler assemblies (concealed, recessed and pendent) and fit them flush to the finished ceiling.

There are many benefits of this, including a reduction in coupling assembly and labour by allowing for the easy adjustment of the Drop Nipple between a branch line and pendant sprinkler.

"Tyco products cover everything we need, and everything works together," said Henrysson. "It makes the entire project far simpler for us. Also, Tyco products are globally recognised. Everyone knows Tyco solutions work."

Benefits

The Tyco® solutions used in the Kvaernerbyen project enabled HR Sprinkler to reduce the working hours usually needed for such residential sprinkler installations by approximately 50%.

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"Henrysson added, "It made the installation as quick and simple as possible. We did not need to employ overly skilled specialists on the install, and we met all site safety.

"Clearly this has a benefit to our bottom line, but it also has a tremendous impact on our reputation. We're seen as a business that can deliver against tight deadlines on high-profile projects. That wins us new business."

TYCO® Products are part of Johnson Controls, a global diversified technology and multi industrial leader serving a wide range of customers in more than 150 countries. Our 117,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities.

Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat. We are committed to helping our customers win and creating greater value for all of our stakeholders through strategic focus on our buildings and energy growth platforms.

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