

Sustainability Case Studies



CASE STUDY

Severn Trent Water

DIVISION
Design Management



Digital Tools Drive Sustainability in Water Management

Symetri, part of the Design Management division, has partnered with Severn Trent Water to enhance design efficiency and support sustainability goals in the water and sewage industry.

Severn Trent Water, one of the UK's largest water and sewage companies with 4.6 million customers, operates in a highly regulated industry. The company has a firm commitment to sustainability and aims to achieve carbon neutrality by 2030 - 20 years ahead of the industry standard.



NEED

To meet its carbon neutrality target, Severn Trent Water is investing £6 billion in infrastructure improvements, ensuring the delivery of clean water aligns with environmental protection. Central to this transformation is the adoption of several digital solutions in partnership with Symetri.



SOLUTION

Symetri's digital solutions helped improve project delivery, optimize the water and sewage systems, and enhance overall efficiency in operations. BIM-tools have been instrumental in designing water treatment facilities that meet operational needs, while flood forecasting and drainage management tools have further strengthened the company's environmental efforts.



SUSTAINABLE BENEFITS

Severn Trent Water's partnership with Symetri positions the company as a leader in sustainable water management, setting industry benchmarks for innovation, efficiency, and environmental stewardship, while preparing to meet future challenges with resilience.

Symetri creates and provides digital solutions and services for design, engineering, construction, and manufacturing businesses. Symetri empower people to work smarter for a better future by ensuring they have access to the expertise and technology they need to improve their performance and sustainability.

Severnt Trent water is one of Britain's largest water companies. They provide over eight million people across their region with fresh, clean drinking water every day – equivalent to about two billion litres of water daily.

CASE STUDY

Automation.Express

DIVISION

Product Lifecycle Management



Driving Efficiency in the Machinery Sector

Technia, part of the Product Lifecycle Management Division, has collaborated with Automation.Express to improve efficiency and scalability in the machinery industry.

As a result of the partnership, streamlined project management and unified design strategies have improved the quality and efficiency of Automation.Express' machine designs. Integrated financial management systems have enabled better decision-making, while improved communication and scalability have supported the company's sustainable growth.



NEED

Automation.Express, which integrates design, project management, and 3D modeling to deliver customized machines, faced challenges including integrating diverse design and engineering teams, streamlining communication, managing complex financial data, and ensuring scalable processes.



SOLUTION

To address these challenges, Technia provided the 3DEXPERIENCE platform, enabling centralisation of communication and documentation while ensuring scalability through a cloud-based system. Technia also facilitated the integration of SAP with 3DEXPERIENCE, which streamlined financial data management, improved real-time decision-making, and enhanced project coordination.



SUSTAINABLE BENEFITS

This collaboration promotes sustainability by improving resource efficiency and fostering long-term growth through scalable and environmentally mindful practices.

Technia, an Addnode Group company, is a global provider of solutions for digitalizing product lifecycles – from idea, design, simulation and manufacturing to sale, aftermarket, and repurposing. For Technia's customers, the benefits are shorter lead times, greater innovation, and increased efficiency and traceability, making product creation sustainable.

Automation.Express was founded four years ago by Daniel Schöpf, an engineer with over 20 years of industry experience. The company specializes in creating bespoke, custom machines tailored to specific client needs. The company integrates mechanical and electrical design, project management, and innovative use of 3D modeling and cloud-based solutions to deliver unique, high-quality machines from concept to completion.

CASE STUDY

The Swedish Environmental Protection Agency

Boosting Sustainability Oversight with Digital Solutions

Ida Infront, part of the Process Management division, has helped the Swedish Environmental Protection Agency to digitalize and enhance their supervision process for producer responsibility in packaging management.

This initiative aligns with new a regulation requiring all companies that introduce packaging to the Swedish market to take responsibility for collection, recycling, and overall lifecycle management of their packaging materials. The regulation aims to reduce littering, minimize waste, and ensure materials are recycled and reused in new products.

DIVISION
Process Management



NEED

The Swedish Environmental Protection Agency required a more efficient and scalable system to manage the increasing volume of producer fees and payments to municipalities resulting from regulation.



SOLUTION

Ida Infront tailored their iipax case management system to meet these specific needs. This involved adding functionality to automate key processes such as fee calculations, invoicing, decision-making, and payment management, enabling efficient tracking of producer fees and seamless payments to municipalities. The automation reduces manual work, ensuring greater accuracy and faster processing.



SUSTAINABLE BENEFITS

The solution contributes to sustainability by fostering a more efficient management of producer responsibility, encouraging producers to prioritize the design of reusable and recyclable packaging material.

Ida Infront drives the development of the sustainable information society of the next generation and is a well-established company that operates in the public sector in the Nordics. With products based on iipax, they offer today's and the next generation of digital solutions in secure information exchange, efficient case management and sustainable e-archiving to society.

The Swedish Environmental Protection Agency conducts and coordinates Sweden's environmental work. Together with many others, they work to preserve biodiversity, reduce climate impact and contribute to a resource-efficient society.