Sustainability Case Studies

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ADDNODE GROUP

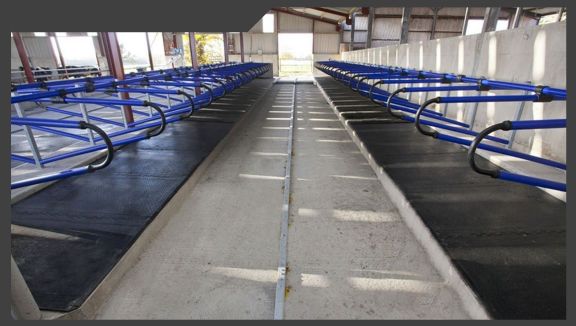
Case Study

EASYFIX Rubber Products.

Digitalised Product Development with Reduced Carbon Footprint

Addnode Group's subsidiary Symetri, in its Design Management division, has been supporting EASYFIX Rubber Products on a digitalisation project to improve the utilisation of technology and structural capital to promote business and sustainability targets.

EASYFIX Rubber Products operates in the agriculture sector, specialising in animal care and welfare products, critical segments for good health and high productivity in professional animal husbandry. These digitalisation investments now underway, facilitate innovative product development and consolidate the company's market position.



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.

Based in County Galway, Ireland, **EASYFIX Rubber Products** specialises in products aimed at providing Animal Comfort & Welfare which are key factors in supporting healthy lifecycles and, as a result, higher levels of productivity.

NEED.

EASYFIX Rubber Products' expenses and carbon footprint during product development were high, especially in outsourced prototyping, which is resource and material intensive, and involves long-distance transportation.

SOLUTION.

To streamline and reduce its carbon footprint, Symetri has been supporting EASYFIX Rubber Products on implementing Autodesk Inventor, so it can produce designs for production moulds and 3D print mould prototypes in-house.

SUSTAINABLE BENEFITS.

This new method has reduced costs and increased efficiency, while reducing carbon footprint. This working method has also involved the integration of additive production processes, helping reduce waste and transportation requirements, while also enabling designs optimised for low weight.

Division Design Management

ADDNODE GROUP

Case Study
Bold Valuable Technology.

Electrification with Shorter Development Lead-Times and Lower Cost

Addnode Group's subsidiary TECHNIA, in its Product Lifecycle Management division, has delivered the cloud-native version of Dassault Systèmes' 3DEXPERIENCE platform to Bold Valuable Technology (Bold).

Bold specialises in design, testing, manufacturing and delivery of batteries to customers in motorsport, aviation and the marine industry. Bold's battery cell technology solutions are developed with a focus on high energy density, light weight and safety.

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

Bold Valuable Technology is a dynamic and innovative company specializing in the design, testing, manufacturing, and delivery of high-performance battery and lightweight structure solutions.

NEED.

Bold wanted a powerful design tool and robust PLM platform to reach the market with its battery solutions more effectively. Bold also needed effective data flow from concept to production, capable of simultaneously supporting internal collaboration.

SOLUTION.

3DEXPERIENCE, alongside the applications CATIA and ENOVIA, were the tools Bold needed. With 3DEXPERIENCE, product development processes have become more efficient and component design is more precise. The collaboration between different specialist functions has also been enhanced, from early product development phases to final shipment to customers.

SUSTAINABLE BENEFITS.

Overall, battery solutions have become more available and cost-efficient, which is especially positive because this benefits electrification in the aviation and maritime industries.

Case Study
Skånetrafiken.

Digital Traffic Planning for Better Public Transport

Addnode Group's subsidiary Forsler & Stjerna, in its Process Management division, is supporting public transport provider Skånetrafiken with innovative digital solutions.

Skånetrafiken is the principal for public transport in the county of Skåne, providing a yearly total of over 170 million train, tram and bus journeys.

Forsler & Stjerna is Sweden's leading software developer for public transport planning, school transport planning and traffic information. Of our 30 products and services, we are proud that several constitute standards for the industry. Over the years, this has given us a unique opportunity to develop our main products as well as to develop new services and help Sweden's public transport moving forward.

Skånetrafiken is the traffic authority for public transport within Skåne county, which includes responsibility for trains, trams and buses throughout the Skåne County.

NEED.

The digitalisation of society and growing environmental awareness mean the demand for advanced and effective public transport is growing. To satisfy these expectations, Skånetrafiken needs state-of-the-art and highly functional digital solutions in its business to plan public transport.

SOLUTION.

Rebus is a planning tool that Forsler & Stjerna has developed for public transport. The tool includes a comprehensive traffic database for transmitting planned traffic data to other databases and systems. Rebus is also used to plan and produce timetables and provide passengers with information. Rebus can also be applied to compute vehicle run lengths, load ticket machines and vehicle computers, and to test new scenarios to optimise traffic routes.

SUSTAINABLE BENEFITS.

Greater efficiency and reliability of public transport mean more people choose these alternatives above their own cars. Each journey by public transport instead of cars cuts climate emissions by an estimated 90 per cent. Rebus is used by public transport sector players in most regions across Sweden.