

Sustainability Case Studies

Q1
2023



Case Study

Brandskyddslaget.

Fire safety planning with digital BIM processes

Addnode Group's subsidiary Symetri, in its Design Management division, is supporting Brandskyddslaget on implementing Bimfire Tools, a fire safety planning application developed in-house. Bimfire Tools associates information with items in a digital design model, reducing the number of planning errors.

Brandskyddslaget are Sweden's leading fire safety consultants, and the company is now investing in digitalising fire safety and project planning work using BIM processes.



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.

Brandskyddslaget partners with Symetri for BIM-based fire protection using Bimfire Tools, streamlining project administration and improving collaboration.



NEED.

Some design components are not visible on 2D representations, such as mezzanines and roof spaces, which often means they are not discovered before site inspections, causing delays and extra cost.



SOLUTION.

The 3D modelling technology of the BIM process enables these design components to be identified and rectified in real time, generating significant time and cost savings for projects.



SUSTAINABLE BENEFITS.

Fewer errors during the design phase, less waste from the construction phase, and less risk of fire hazards throughout the building's lifecycle.



Case Study

Helix.

More efficient product development with fewer faults and superior quality

Addnode Group's subsidiary TECHNIA, in its Product Lifecycle Management division, is supporting Helix on implementing Dassault Systemès' 3D EXPERIENCE platform. For over 20 years, Helix has been developing some of the most powerful and efficient drive systems in motorsport.

As the vehicle industry electrifies, the company has taken its skills forward, and is now a leading manufacturer of electrical drive systems for electric and hybrid vehicles.



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.

TECHNIA is working together with Helix to break down silos and streamline engineering processes using the 3DEXPERIENCE platform. Now, their engineers can focus on driving sustainable innovation in the highest power-density electric engines on the market.



NEED.

Helix's leadership means it needs constantly improve quality and drive continuous development of products and processes.

SOLUTION.

To streamline its working methods and improve the management of change processes, Helix has been collaborating with TECHNIA to implement, upgrade and maintain its 3D EXPERIENCE software platform.



By deploying advanced simulation earlier in the design process, Helix has also been able to deliver still more optimal design solutions, ensuring it can also satisfy sustainable manufacturing and performance standards.

SUSTAINABLE BENEFITS.



The implementation of 3D EXPERIENCE has helped simplify and streamline internal collaborative processes within Helix, so it can satisfy customer needs for component materials, weight and power, for example.



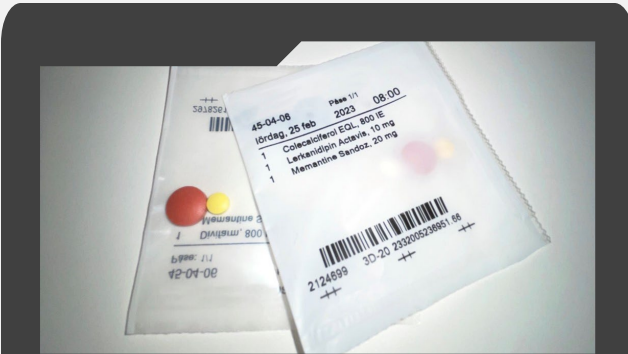
Case Study

Apoteket.

Digital dosage delivery systems for better health and environment

Addnode Group's subsidiary Canella, in its Process Management division, has developed the digital delivery system, Candos, for dosage dispensation of pharmaceuticals.

The system is used by Apoteket, Sweden's nationwide pharmacy chain, plus many other pharmacies and hospitals across Sweden. Canella integrates Candos with other client systems, such as financial, warehousing and POS systems. Dose dispensation means medicines are distributed in sachets labelled with consumption dates and timings.



Canella is an Addnode Group company in division Process Management with its own proprietary software. Canella has developed the dose delivery system, Candos, for the Swedish pharmacy- and healthcare market. The product is available for outpatient care but also for inpatient care and is also used for dose dispensing to private individuals.

One of Canella's customers is **Apoteket AB**, a large Swedish state-owned pharmacy company. Apoteket operates in the Swedish deregulated pharmacy market and offers many services to its customers, including the dose dispensation of pharmaceuticals.



NEED.

Dose dispensation is a vital tool for increasing patient safety. Medicines administered at the wrong time, or in incorrect doses, can be hazardous for the patient and compromise treatment outcomes.



SOLUTION.

Dosage sachets labelled with clear instructions reduce the risk of human error by patients and the healthcare sector. This distribution method eliminates the need for drug packaging and portioning tablets manually.



SUSTAINABLE BENEFITS.

More efficient consumption of resources and environmental gains are benefits realized by dose dispensation. Doses are dispensed at the precise volume the patient needs, meaning fewer drug packages are opened but not fully consumed, offering an environmental gain because the risk of inappropriate disposal of unwanted pharmaceuticals reduces. The Swedish Medical Products Agency estimates that 1,500 tons of pharmaceuticals are disposed of in Sweden every year, with 250 tons of this total flushed down toilets or discarded in waste bins.

