NORTH

Celsius Suite

Network infrastructure management software that maximises efficiency and minimises costs.

Stronger networks, smarter places

We make your world a smarter place.

North designs, delivers and manages integrated systems that improve people's lives – keeping them better connected, safer, more secure and healthier.

We build stronger, more efficient, robust and reliable network infrastructures from the ground up. With over twenty years of industry experience, we've been at the forefront of delivering cutting-edge network infrastructure management solutions to a wide array of public and private sector organisations.

Effective network infrastructure management is critical for ensuring that your systems are always connected and always optimised. North's unique Celsius Suite solution provides you with real time visibility and intelligence of your entire asset base. It allows you to optimise your network's efficiency, improve its availability, and reduce associated costs, on a continual basis.

Stronger networks, smarter places

The Celsius advantage

Celsius, developed by North, is a powerful infrastructure management solution that enables you to centrally document, design, manage, monitor, and troubleshoot your entire ICT infrastructure. It provides a complete inventory of cables, patching and assets, plus a full record of end-to-end circuit connectivity.

Delivering total visibility
The suite displays your network in a hierarchical way, offering full visibility of your entire site; the buildings within that site, the floors in each building, the cabinets on each floor, all the way down the devices in each individual cabinet – helping you to track, audit and manage the maintenance of each. This holistic view allows for better, faster, more accurate decisions when planning and making changes. Access can also be tailored to specific roles within your organisation.

Trusted by industry leaders
This breadth of scale means that it is the perfect network management solution for large campus environments. Currently, it is trusted by, and in use at, several sites operated by Government and the Ministry of Defence, a number of high-traffic international airports, the data centres and offices of major private sector organisations, tech firms and financial institutions, as well as city-wide university campuses.
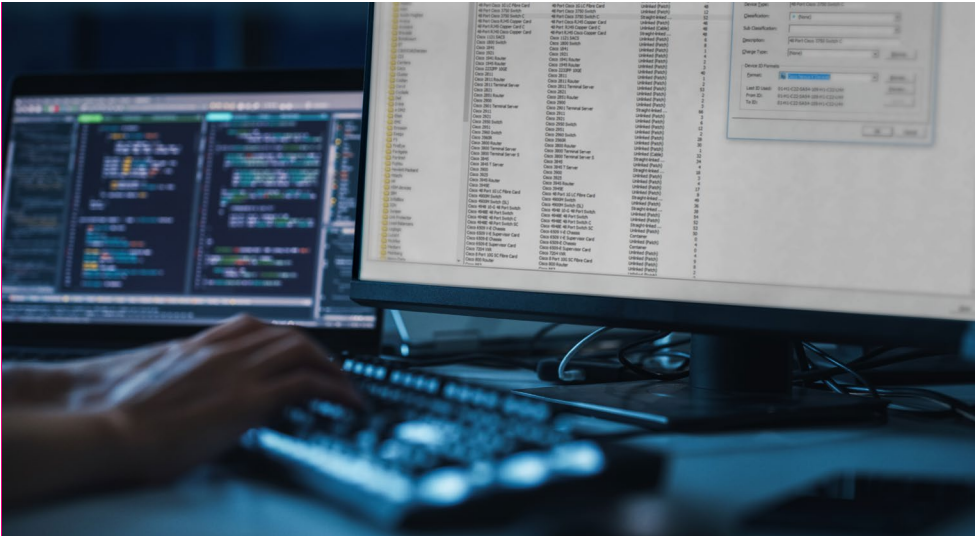
At a glance...
- Celsius is a powerful and flexible database application that can flex and grow with your network.
- It captures your network design, including active and passive equipment, containment and connections
- It produces valuable installation instructions to enable operational efficiencies.
- It provides design and installation compliance by ensuring audit evidence is documented.

The sum of its parts

The full Celsius Suite is comprised of four key modules, each designed to address specific aspects of infrastructure management.

Celsius Core

A fast, versatile, and effective engineer-grade tool that is used for documenting, planning, and viewing all aspects of your physical infrastructure. Celsius Core is the backbone of the Suite, enabling precise management and oversight of a network's physical components.
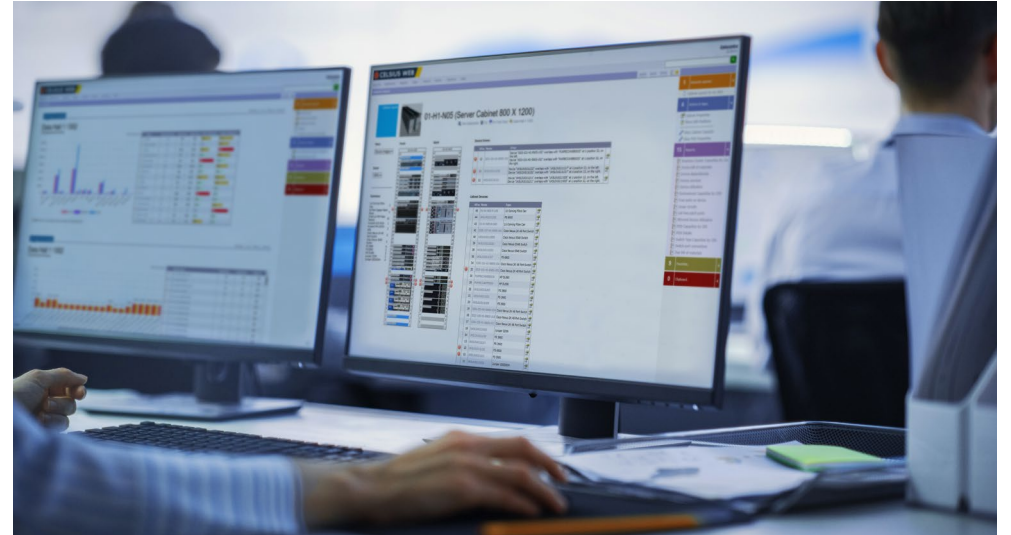
Celsius Build

This tool enables users to bulk import, roll-in/roll-out data into Celsius for large builds and updates, using data from various sources such as Excel spreadsheets, CSV, and XML files. Celsius Build is essential for managing large-scale infrastructure projects accurately and efficiently.

Celsius Web

An intuitive, easy-to-use web application that provides rich reporting, management information (MI) dashboards, and detailed access to all infrastructure information held within Celsius databases. The Web Viewer facilitates real-time data access and decision-making, ensuring that all stakeholders can stay informed and responsive.

Celsius AQT

A comprehensive tool offering full project visibility and control from quote to delivery. It provides you with a direct line of communication to us, allowing for bespoke requests, self-service and faster responses – ultimately giving you greater control of the order process, ongoing reporting and management. Plus, you'll have an auditable trail and a repository of test results, warranties and other compliance documentation.

The key benefits

Celsius is designed to help you unlock the full potential of your network infrastructure. It offers unique functionality and outperforms competitor software solutions in a number of key areas.

Maximised efficiency

Celsius streamlines your management processes, such as fault diagnosis, circuit information retrieval, device management, and cable management. By centralising and simplifying the access to your network data, we can reduce the time required to identify and resolve network-related issues. Our clients report a reduction in infrastructure-related problem and incident management times of up to 50%.

Increased availability and reliability

Celsius provides you with comprehensive documentation and real-time records, enabling proactive maintenance and management. This reduces the likelihood of network downtime, improves service reliability, and protects your organisation's investment in its infrastructure.

Reduced costs

Celsius is instrumental in realising cost savings. By optimising existing infrastructure, we've enabled clients to reduce the need for new equipment by up to 30%, and the cost of managing moves, adds, and changes (MACs) can also be cut dramatically. The centralised documentation of network infrastructure also reduces the frequency and cost of audits. Overall, total network infrastructure lifecycle costs can be reduced by up to 45%, with clients often achieving a significant return on investment within one year.

Improved cable management

Cable management is a critical aspect of network infrastructure management, and Celsius excels in this area. All network infrastructure information, including cable management data, is consolidated into one searchable database. This eliminates the need for multiple repositories and ensures that information is readily accessible to all relevant personnel. Tasks related to cable management are streamlined, improving accuracy and reducing the time and effort required. Comprehensive documentation also ensures that no detail is ever missed.

Better integration and flexibility

Celsius offers integration and flexibility through its comprehensive API, which facilitates interaction. Our in-house development team can customise Celsius to your requirements and assist with any integrations, ensuring a unified and comprehensive infrastructure management solution.

Ruling the waves through intelligent network infrastructure management

"Celsius is providing an important component of the Aircraft Carrier Alliance integrated design and delivery Architecture Framework toolset, enabling the management of the highly complex dataset that describes the ship's network Infrastructure."

David Bass
Head of Supply Chain
Combat Systems
BAE Systems

The Queen Elizabeth Class Aircraft Carriers are the biggest and most powerful surface warships ever constructed for the Royal Navy, representing a step change in capability that enables increased strategic effect and influence around the world. The carriers were delivered by the Aircraft Carrier Alliance, a unique partnership between BAE Systems, Thales UK, Babcock and the UK Ministry of Defence.

Our client, BAE Systems, is a premier defence, aerospace and security company that delivers a full range of products and services for land, naval and air applications on a global scale.

Celsius enabled BAE Systems to centrally document the design and to manage, monitor and troubleshoot the ICT infrastructure, providing a complete inventory of cables, patching and assets plus a full record of end-to-end circuit connectivity.

North delivered:
- Complete documentation of the most complex environment covering 16 decks and over 118km of protected microducts
- Consultations with BAE Systems to identify the need for Celsius to support the detailed internal network design of both traditional cabling and blown fibre.
- A powerful and flexible database application, that could flex and grow with the requirements of the Aircraft Carriers.

The results:
- Documentation of the internal network design of the Aircraft Carriers including fibre terminations, points and patch panels.
- Valuable installation instructions to enable operational efficiencies.
- Design and installation compliance by ensuring audit evidence is documented.

BAE SYSTEMS

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