

# BEVECO

An ALLIED UNIVERSAL Company

# NorthC

Datcenters



## NORTHC DATACENTERS

**IX.Web provides insight and contributes to making our data centres sustainable'**

Mario Hangjas, Director Information Technology at NorthC

Case study NorthC

**BEFORE WE START**

# THANK YOU

**FOR READING THIS ARTICLE**

Thank you for your interest in this article about NorthC Datacenters. We would like to thank NorthC Datacenters again for their cooperation and approval for this article.

This article is the result of an interview, with Mr. Hangjas of NorthC Datacenters, by a journalist. The photos were taken by a professional photographer.

This article is part of a series of multiple case studies. Several case studies are available for you to read, like PostNL and Sportiom Sportfondsen.

If you are interested in reading other case studies make sure to contact us. Also if you have questions about this case study.

**The complete Beveco team**

## “IX.WEB PROVIDES INSIGHT AND CONTRIBUTES TO MAKING OUR DATA CENTRES SUSTAINABLE’ ”

*Three years ago, the data centre companies TDCG and NLDC merged to create NorthC Datacentres. Today the company has sixteen data centres spread across the Netherlands, Germany and Switzerland. Mario Hangjas, Director Information Technology at NorthC, made it his missions to integrate all Dutch sites using a single cohesive system. IX.Web proved to be the required solution. Thanks to IX.Web everyone now always has the same up-to-date information.*



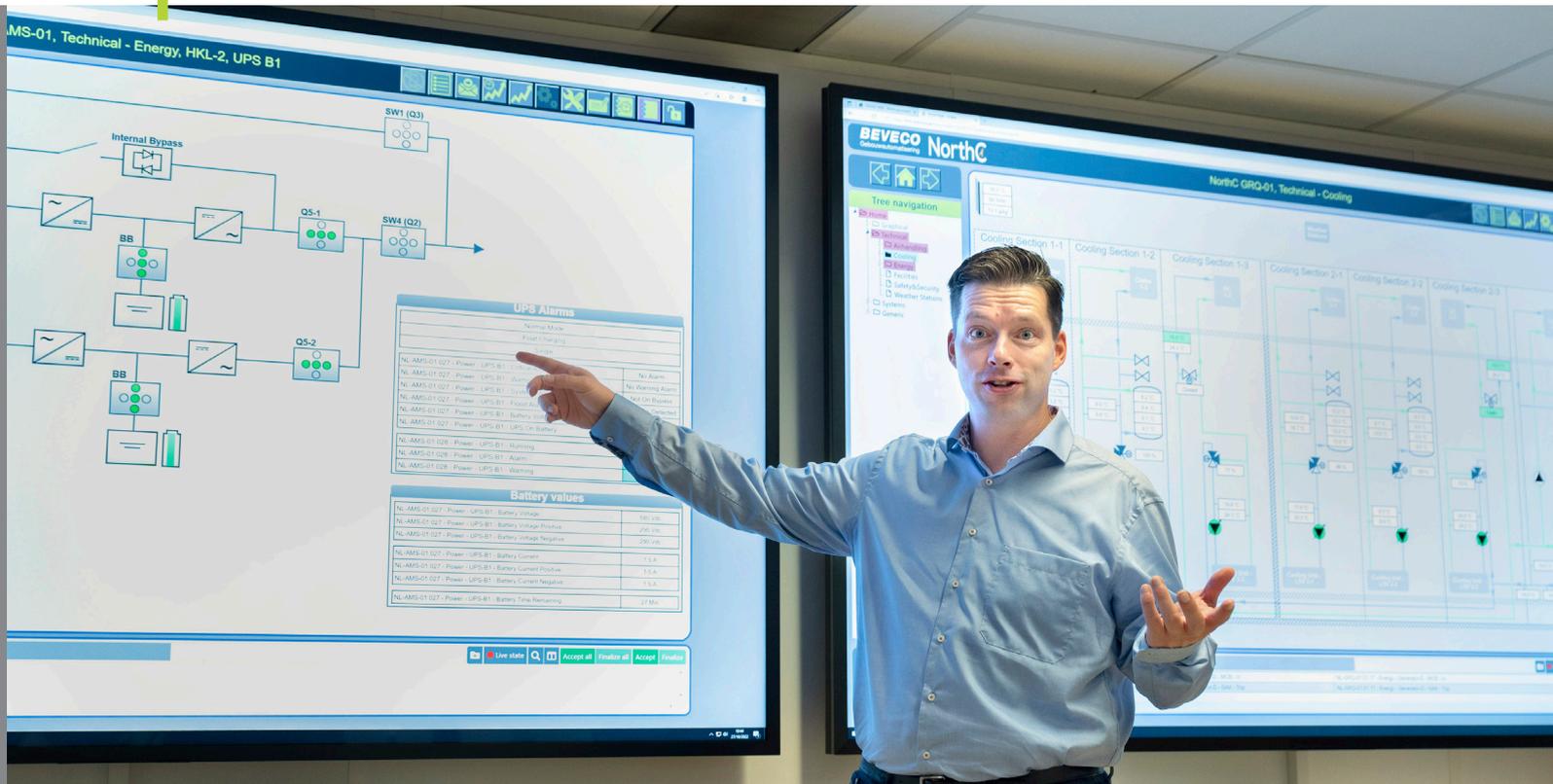
The partnership between NorthC Datacentres and Beveco dates back to 2005. ‘A problem arose at a previous employer and they helped solve it,’ says Hangjas. In 2019 when I was hired by the yet-to-be-founded NorthC Datacentres and the subject of integrating ten sites came up for discussion, I immediately contacted Patrick (Schelling, ed.) at Beveco. Our aim was to integrate all of our data centres in the Netherlands, and at a later stage abroad as well, using a single automation framework. This is something that Beveco understands very well. With IX.Web we now have access to the details of the presently integrated sites. At the push of a button anyone, no matter where they are located, can see the system’s status. This has made laborious analyses, Excel lists and manually produced graphs a thing of the past. The report is now available in no time at all. What perhaps is even more important is that everyone now works from the same base.’

### THE FOUR CHALLENGES

For Hangjas, past experience in this case provided a guarantee for the future. When this project came up, he did not hesitate for even a second. Beveco was the company he wanted to do business with. No sooner said than done? Ultimately that was the case; however, the enthusiastic IT Director was faced with several challenges. These were not just limited to the preliminary preparation and the various technical obstacles. Financial support was also required and employees had to be integrated into the process.

‘Beveco contributed excellent ideas from the very beginning. In brain storming sessions, we determined the capacity required now and in the future,’ Hangjas continues. ‘Currently we still have ample capacity, and as a result we are

# LARGE-SCALE REPLACEMENT



well positioned for future growth.' Hangjas was convinced and managed to get his colleagues' support by highlighting the benefits of IX.Web in comparison to the systems in use at that point in time. 'We quickly received much support from the floor as a result,' says Hangjas.

## CREATING CONFIDENCE

Hangjas was able to count on Beveco's help in this respect. They invited any doubters to see for themselves. They involve people in the story. They then hear about it first hand and that creates confidence. The simulation of malfunctions also contributed to this. This way everyone knows that the system really works even when there are malfunctions coming in.'

Technical obstacles during the implementation of a new management system are virtually unavoidable. Mario Hangjas explains the challenge: 'Beveco is involved in the construction of a new building from the very beginning. They are aware of every device we purchase so that they can immerse themselves in it. This makes it possible

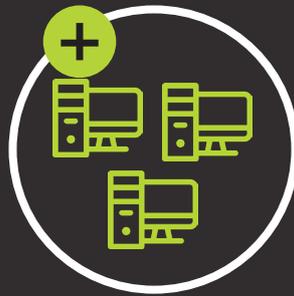
to effectively plan a large project. Because we were integrating ten existing data centres the situation deviated from the standard. Every site was already equipped with generators, cameras and various other equipment. We cannot just throw everything out and start all over again. That would be a shame. Together with Beveco we reviewed what we could reuse and link to IX.Web. Beveco's solution oriented approach was one of the factors that made this project a success. They did not give up. When an employee claims that it's really impossible to connect a device, there are immediately ten others ready to take another look at it.'

# NORTHC DATACENTERS USES....



## REUSEABLE HARDWARE

Mario Hangjas: "Together with Beveco, we looked at what we could reuse and link to IX.Web."



## BMS AND CONTROL ENGINEERING

NorthC has a comprehensive package of Building Management System and Control Engineering. All in one software package.



## SOLUTION-ORIENTED APPROACH

Mario Hangjas: "Among other things, Beveco's solution-oriented approach made this project a success."

**BEVECO NorthC** Gebouwautomatisering

NorthC AMS-01, Technical - Energy, HKL-2, UPS B1

**Tree navigation**

- Home
- Graphical
  - Datahall A
  - Datahall B
  - Datahall D
  - Datahall E
  - Datahall F
  - Datahall G
  - Technical Area 1
  - Technical Area 2
  - Facilities
  - Entrance
- First Floor
- Roof
- Technical
  - Cooling
  - Airhandling
    - Datahall G Corridor
    - UPS-A Room
    - UPS-B Room
    - In-Row Cooler E
    - In-Row Cooler F
    - In-Row Cooler G
  - Weather stations
  - Energy
    - HKL 1
    - UPS A1
    - UPS A2
    - Genset 1
    - HKL 2
    - UPS B1**
    - UPS B2
    - Genset 2
    - HKL 3
    - HKL 4
  - Safety & Security
  - Facilities
  - Systems
  - Generic

**UPS Alarms**

Normal Mode	
Float Charging	
Single	
NL-AMS-01.027 - Power - UPS-B1 - Critical Alarm	No Alarm
NL-AMS-01.027 - Power - UPS-B1 - Warning Alarm	No Warning Alarm
NL-AMS-01.027 - Power - UPS-B1 - System On Bypass	Not On Bypass
NL-AMS-01.027 - Power - UPS-B1 - Flood Alarm	No Leak Detected
NL-AMS-01.027 - Power - UPS-B1 - Battery Voltage Extremely Low	No Low Voltage
NL-AMS-01.027 - Power - UPS-B1 - UPS On Battery	Not On Battery
NL-AMS-01.027 - Power - UPS-B1 - Running	---
NL-AMS-01.028 - Power - UPS-B1 - Alarm	---
NL-AMS-01.028 - Power - UPS-B1 - Warning	---

**Battery values**

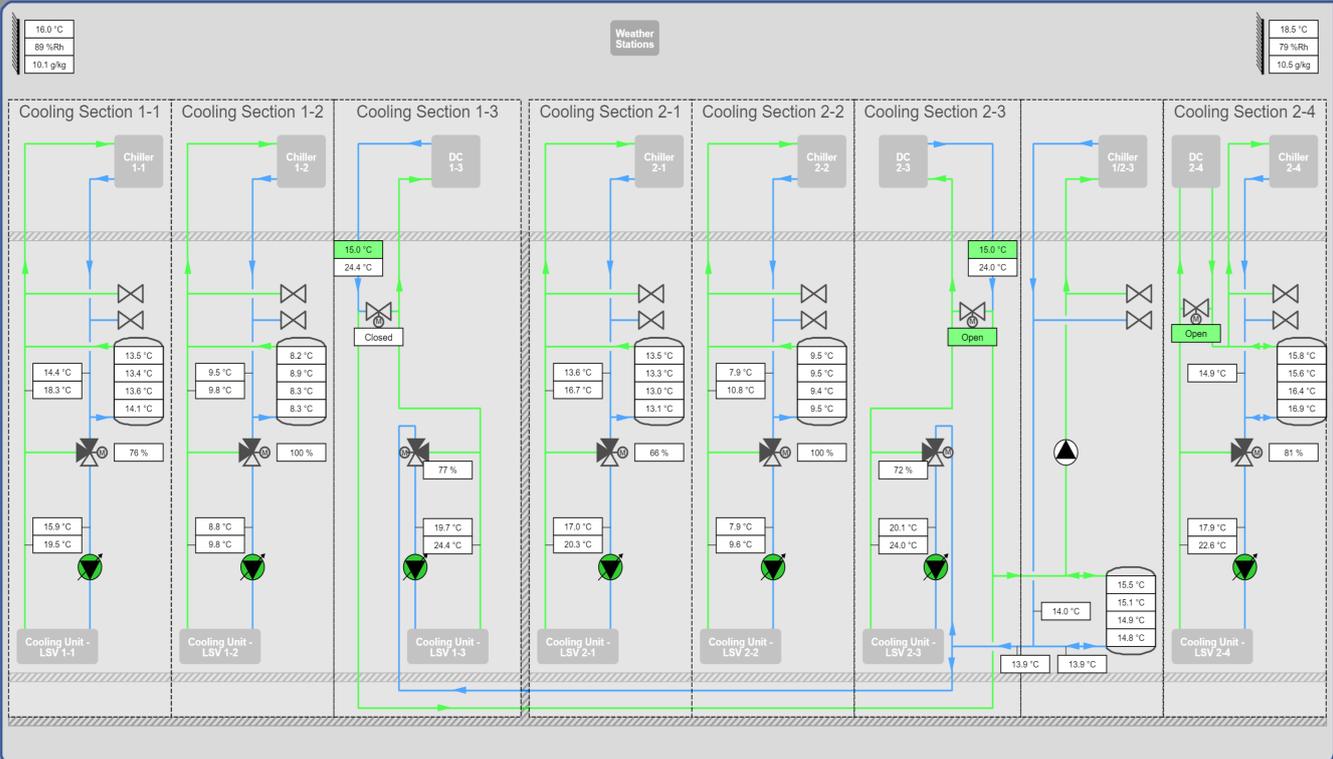
NL-AMS-01.027 - Power - UPS-B1 - Battery Voltage	580 Vdc
NL-AMS-01.027 - Power - UPS-B1 - Battery Voltage Positive	290 Vdc
NL-AMS-01.027 - Power - UPS-B1 - Battery Voltage Negative	290 Vdc
NL-AMS-01.027 - Power - UPS-B1 - Battery Current	1.5 A
NL-AMS-01.027 - Power - UPS-B1 - Battery Current Positive	1.5 A
NL-AMS-01.027 - Power - UPS-B1 - Battery Current Negative	1.5 A
NL-AMS-01.027 - Power - UPS-B1 - Battery Time Remaining	27 Min

**UPS Values**

	Input	Bypass	Output
Voltage L1-L2	397 V	393 V	398 V
Voltage L2-L3	398 V	396 V	399 V
Voltage L3-L1	399 V	398 V	400 V
Current L1	406 A		416 A
Current L2	407 A		378 A
Current L3	403 A		414 A
Frequency	50 Hz	50 Hz	50 Hz
Active Power L1			92 kW
Active Power L2			84 kW
Active Power L3			93 kW
Apparent Power L1			96 kVA
Apparent Power L2			88 kVA
Apparent Power L3			96 kVA
Power factor L1	1.0		1.0
Power factor L2	1.0		1.0
Power factor L3	1.0		1.0

Tree navigation

- Home
- Graphical
- Technical
  - Airhandling
  - Cooling
  - Energy
  - Facilities
  - Safety&Security
  - Weather Stations
- Systems
- Generic



10:45:52  
TH 27-10-2022

New (2)	Accepted (15)	Finalized (2413)	Open (3)	Live state	Accept all	Finalize all	Accept	Finalize
27-10-2022 10:40:38	Occurred	Generator-D - MCB - In	NL-GRQ-01.01.17 - Energy - Generator-D - MCB - In				Closed	
27-10-2022 10:40:38	Occurred	Generator-D - GAK - Trip	NL-GRQ-01.01.17 - Energy - Generator-D - GAK - Trip				Tripped	

WE STAND FOR

SECURITY  
SAFETY  
COMFORT

AND

FOR YOU AND YOUR STAFF

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## ON THE ROAD TO CO2-NEUTRAL

IX.Web first and foremost makes it possible for NorthC Datacentres to work more efficiently. In addition, it contributes to the climate target the company has set for itself. By 2030, the company aims to be operating completely CO2-neutral. How does IX.Web help make this possible? 'This management system not only allows us to see the statistics of our customers, but we also use it to manage our sites. We can see the performance of our generators and cooling systems, for example, at a single glance. We can see virtually everything, ranging from usage statistics of the regular power grid to the performance statistics of our diesel and other generators. This way we discover trends. This enables us to make adjustments and make smarter decisions. In part thanks to IX.Web we are still on track in terms of achieving our target.'

## THE FUTURE WITH BEVECO

Hangjas expects to continue to work closely with Beveco in the future as well. 'There are many parties that claim they can do what Beveco does, but Beveco delivers on its promises. In spite of the fact that it is part of a large international concern, Beveco has retained the mentality of a Dutch family business.' The IT Director also praised the company's method of working and the renowned Beveco DNA. 'While competitors send along another employee for each different problem, Beveco employs specialists with the so-called Beveco DNA. They are knowledgeable about everything. That means that you are dealing with an IT specialist who also has experience with process control technology. That way a project ultimately runs much more smoothly.'



**BEVECO**

an Allied Universal Company

# ALL YOUR SYSTEMS

**... IN ONE PLACE**

## CASE STUDY NORTHC DATACENTERS

BEVECO, an Allied Universal Company

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3261 NA Oud-Beijerland

Datum  
**10-11-2022**