

A photograph of a construction site with a large concrete bridge structure under construction. Three workers in hard hats and safety vests are standing in the foreground, looking at something. The image has a green tint.

**Fresh  
thinking for  
construction.**

**concrefy\***  
fresh thinking for construction

Concrefy, formerly known as BJA|S Research & Technology, is a combination of a high-tech laboratory and a knowledge institute for concrete technology that is active across the globe. With over 40 years of experience, we proudly call ourselves the specialists in concrete technology.

Innovation is paramount to us. We optimise the precast concrete production as well as the building process with concrete. Thanks to our exceptional insight into the construction process, we are able to deliver real improvements – improvements that make your operations more cost-efficient, safer, faster and better!

# The expert for all your concrete technology questions

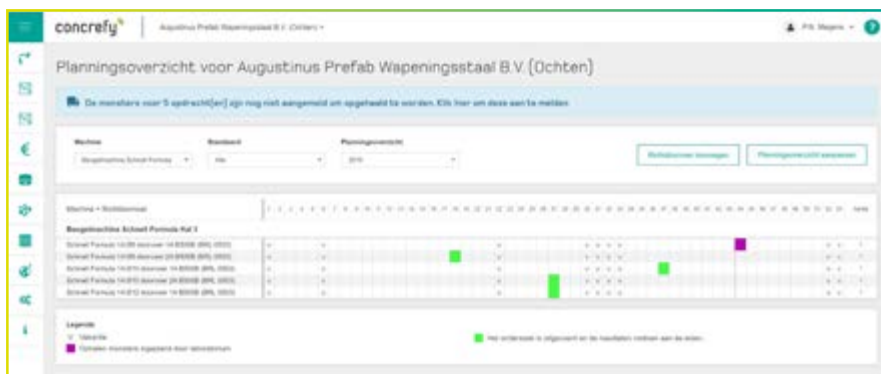
*Spaansen Bouwsystemen, Harlingen*



Our enthusiasm for innovation does not mean that it is our only priority. Concrefy is completely focused on everything that has anything to do with concrete. From high quality testing in our modern lab to advice on the choice of materials, and from the further industrialisation of construction and production processes to the digitalisation of information flows. At Concrefy, we dedicate all our energy to helping you!

# Decision Support Tools: measurements help to steer the way

An important feature of the services we provide are the Decision Support Tools, a dashboard that gives you instant insight and control over your projects. You can access real-time measurement results and analyses that help you make the right decisions!



*Planning overview for periodic checks on straightening equipment*



# Concrefy offers:

- Accredited materials analyses in accordance with international standards
- Decision Support Tools for optimisation and management of production and construction processes
- Product and process development for elements, buildings and constructions
- Quality support for certification, CE marking and Factory Production Control
- Optimisation of (concrete) construction methods, construction processes and materials
- Solutions for prefabrication and pouring concrete on-site
- Inspections and damage surveys, destructive and non-destructive forensic analysis and advice
- Process control by combining remote sensing and concrete technology
- Life cycle management for new and existing constructions





**Fresh  
thinking for  
construction.**

# Total support with high quality laboratory research

Concrefy has the most modern concrete technology laboratory in Europe. A variety of several high-quality tests are conducted in this accredited laboratory according to international standards. This includes research on and testing of:

- Concrete
- Metals
- Granular materials (aggregates)
- Asphalt



The Concrefy laboratory is, of course, accredited in accordance with ISO/IEC 17025 (reg. no. L216) by the Dutch Accreditation Council. The Dutch Accreditation Council is co-signatory to the ILAC-MRA (International Laboratory Accreditation Cooperation).

## **Concrete research**



The laboratory of Concrefy is the place to go for all concrete research. This includes research of raw materials for fresh concrete and testing of hardened concrete. For example, durability testing and mixture development. In addition, we also conduct petrographic research of concrete at both the macroscopic and microscopic levels using  $\pm 30 \mu\text{m}$  slides prepared in-house.



# Metal research



The laboratory is also specialised in researching reinforcement steel and other related products used in concrete constructions.

## **This includes:**

- Verification tests on reinforcement steel for steel manufacturers
- Tests on structural weld joints
- Periodic tests on straightened reinforcement steel and tests on welded joints for cutting and bending plants and concrete factories
- Static, dynamic and cyclic tests on mechanical splices in accordance with international standards

At Concrefy, our services are designed to take the burden off of you, the customer. For example, we perform the required tests according to the prescribed standards and guidelines, and as our customer, you can keep track of the progress via our web portal.

## **This offers a wealth of benefits:**

- Automatic planning for tests on wedded and straightened rebar
- Periodic reminders for tests to be performed
- Easy registering of new tests
- Reports are online within five days after sample delivery

*Cyclic test for mechanical splices*



# Granular materials

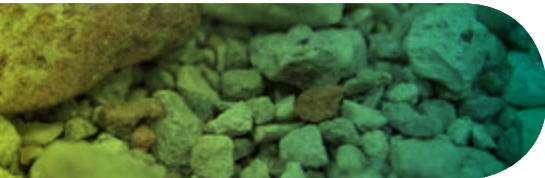


Concrefy takes care of the entire product inspection process of granular materials for you (sand, gravel, recycling materials, etc.). This includes all physical and chemical tests that are required.

You can leave the entire product certification or CE marking process to us, complete with expert advice and guidance.

Due to more sustainable concrete production methods, the issue of CO<sub>2</sub> and new innovations, the demand for recycling materials is on the rise.

We are happy to work together with you to develop new recipes and systems allowing for recycling materials to be reused as high-quality building materials. This helps us to contribute to more sustainable building methods with a focus on the future.



# Asphalt research



A CE marking is required in order to supply asphalt to contractors both domestically and abroad. The properties that are assessed include, for example, water sensitivity, stiffness, resistance to fatigue and permanent deformation. Concrefy conducts all of these asphalt tests.

For the assessment, we conduct tests on asphalt samples for layer thickness, density, pore content, particle size distribution and bitumen content.



# Concrefy Consultancy Independent advice



Our consultancy department is literally overflowing with knowledge on concrete technology.

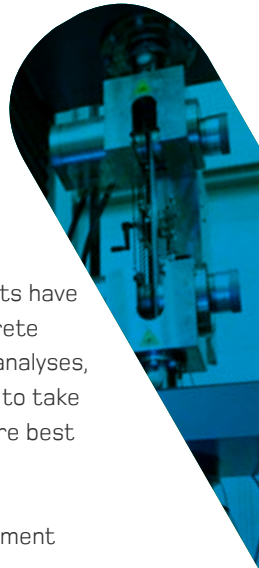
Thanks to our active presence in the concrete sector, our specialists have extensive technological expertise and practical experience in concrete construction. We carry out a number of activities such as tension analyses, that serve as a basis for determining exactly what follow-up steps to take next in the process. In addition, we advise on which raw materials are best to use and how existing production processes can be optimised.

Have a look at our website to find out what our consultancy department can do for you.

## **Our consultants focus on:**

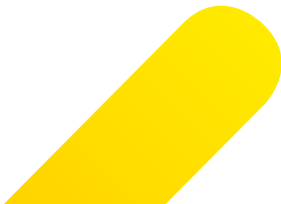
- (Forensic) analysis of the cause of construction damage
- Internal and external quality controls during the construction process
- Residual and service life analyses for buildings and structures
- Risk analyses using FEM 3D methodology
- Construction inspections (including drone footage)

Concrefy offers independent advice and a pragmatic approach aimed at limiting risks and reducing costs. Providing you with just the right information to help you optimise your building process.



# Concremote

The method  
for optimising  
concrete  
construction



Our Concremote system allows you to monitor concrete strength of fresh concrete and to determine the exact time to perform the next step. You can improve the planning for your construction projects and concrete productions and access real-time data anywhere and anytime. Concremote is the method for optimising your construction project (safer, better, faster and more cost-efficient). You can find more information about Concremote in our separate additional flyer.

## It's nice to meet you

Our website [www.concrefy.com](http://www.concrefy.com) also offers further information. If you would like to find out more about **Concrefy**, please feel free to contact us at any time. You can reach us at [+31 77 850 7222](tel:+31778507222) or by e-mail: [info@concrefy.com](mailto:info@concrefy.com).

*Concremote Sensors on charging stations*





Looking  
forward to  
seeing you  
again!

Concrefy B.V.  
Olivier van Noortweg 10  
5928 LX Venlo | the Netherlands  
[www.concrefy.com](http://www.concrefy.com)

concrefy\*

A Doka company