



**Strukton**  
Rail



## Strukton Wire Scan

**Cutting-edge technology for  
OCS inspection**

Rail operators today are looking for innovative, technology-based approaches to optimise the maintenance and operation of their networks, as they face increasing pressure from service uptime demand and higher management standards. This can be challenging to achieve for some systems, such as the Overhead Catenary System (OCS). Limited maintenance windows and predominantly manual processes make it difficult to efficiently and accurately inspect and measure wire positioning, thickness, and condition. Strukton Rail has developed Strukton Wire Scan, a solution that automates the inspection, measurement, and reporting of OCS condition.

# Today we make tomorrow



Strukton Wire Scan uses advanced automatic scanning technology to measure the position and condition of overhead catenary, reducing the need for manual, physical inspections. Output data includes thickness, height, stagger, and dynamics. Strukton Wire Scan can be used on all electrified rail networks (via overhead wire), such as heavy rail, light rail and streetcar systems. Data can then be analysed and presented to infrastructure managers as a basis for making informed and reliable maintenance decisions.

### **Deliverables**

Strukton Wire Scan provides infrastructure managers with the following deliverables:

- Simultaneous measurement of contact wire height and dynamics (contact surface, periphery, wire clamps, etc.)
- Measurement of multiple different wires at a time, under live conditions
- Measurement of thickness (thin & hot spots) and lateral position of all types of live contact wires
- 4k UHD video recordings of the wires being scanned

Strukton is a service provider leading in sustainable infrastructure, with a focus on green transport and electrification. It is with passion and energy that we integrate our century of craftsmanship with the latest technology and innovation. Today we make tomorrow.

## **Contact**

**Would you like to know how Strukton Wire Scan can help you optimise OCS maintenance? Contact Joost van Kalbeek to find out more.**

### **Joost van Kalsbeek**

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