

THE MIXPERTS.  
SUCCESS STORY.



## Mixing Line Refurbishment & Modernisation (Brownfield Project in Kampen, NL)

CARLISLE® Construction Materials BV is market leader in sustainable EPDM roof and façade systems and responsible for the sales of the HERTALAN® and RESITRIX® brands. They develop a large range of roof and façade systems to waterproof and airtight the building envelope.

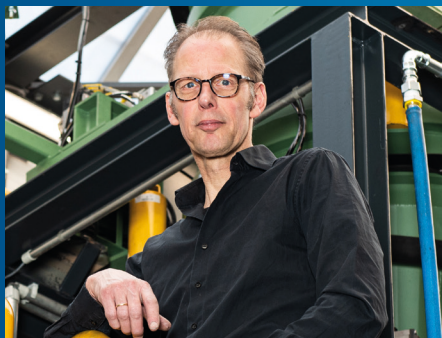
### Challenge

In order to increase the quality and production capacity of the premium products for building services, the mixing room that had been in operation since the 1970s was to be replaced by new technology. For this, Carlisle relied on the know-how of HF. In addition to the requirements for the mixing technology, the smooth implementation of the project within a narrow time window in an existing building was an important criteria.



### Solution

- Recording of the building stock by means of NavVis 3D laser scan
- 3D visualisation of the facility incl. examination of possible structural changes
- 3D detailed engineering of the mixing room equipment
- Recording of the as-built mixing room by means of NavVis 3D laser scan
- Reliable project management and onsite coordination to ensure the key milestones



**„The new mixer has more capacity, gives even better mixing, has up-to-date controls and better temperature control. As a result, we will soon be mixing for our production plant in Hamburg as well.“**

**Onno Fokkinga, Rubber Technologist**

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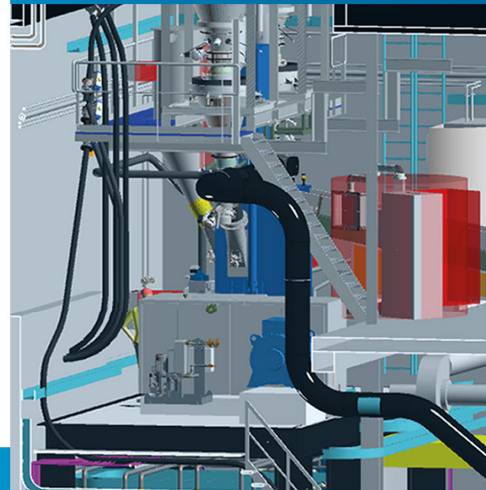
# Turnkey Mixing Room Solutions - Project CCM Netherlands

Exchange K6-Mixer (1977) by new IM190E Mixer incl. Mill, Material Handling and Controls

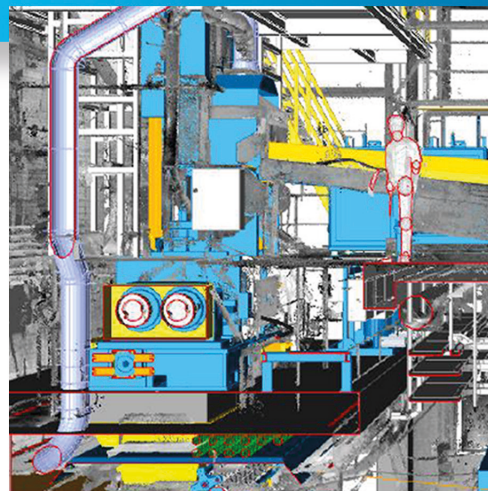
Initial Situation



Engineering & Realisation



Installation & Start Up



preEngineering &  
Feasibility Study



Demounting of old equipment &  
Erection of new Mixer mezzanine



## THE MIXPERTS. SUCCESS STORY.

### 3D-Scan & *preEngineering*

- Fast set up (e.g. facility visualization) for general concepting
- Early mixing line and/or plant key figures for electric power, structural and civil engineering or approval processes
- Early feasibility check of the construction project
- Accurate project, realization and investment plan to reduce final engineering and implementation costs

### Detail Engineering, Order Execution

- 3D Engineering to avoid collisions, interferences and to minimize later expenses and delays in construction phase
- Precise determination of the required assembly material
- Onsite coordination to ensure a smooth start-up phase
- Final 3D documentation of the new mixing room for the customer
- Project time schedule and monitoring



10 x faster mapping with  
NavVis 3D laser scan done  
by HF MIXING GROUP

### Advantages HF MIXING GROUP

- Market and technology leader in customized rubber & polymer mixing room solutions
- More than 150 years of experience in mixing technologies
- Multi-industry experience with deep knowledge of rubber & polymer mixing processes
- Most sustainable & efficient mixing room solutions
- Global service concept with 24/7 availability

3D-Scan, *preEngineering* services & 3D-Concept

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**MIXING GROUP**