



Remote/Digital Factory Acceptance Tests (FATs)
Vossloh's remote inspection solutions for points and crossings*
(live videoconference or remote documentation sending)

*available for Point Machines as well, either with turnouts, or taken independently

Live Remote Inspections



GLASSES WITH ON-BOARD CAMERA FOR REMOTE VALIDATION VIA VIDEOCONFERENCE

- The site operator wears glasses with an onboard camera that transmits live, using an integrated microphone and headset that allow real-time communication with the customer remotely
- An interactive tablet is used to share the information sent by the glasses to the customer
- The connection between the operator and the customer is made through a videoconference



► References:

France, Belgium, India, Hong Kong...

Just like the customer is directly on site

In real time, the customer follows the factory acceptance procedure for switches and crossings, interacting directly or through a third party throughout the auditing process.



Applications

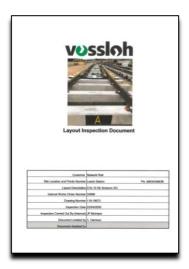
- Inspection, Monitoring and Validation of Switches and Crossings, Point Machines, and Associated Equipment
- Remote Maintenance and Technical Support
- Distance Learning and Training



ADVANTAGES

- ▶ Remote digital inspection (webcam and microphone on glasses + videoconference) for validation in real conditions
- Customer and operator interactivity
- ▶ Monitoring with measurements and real-time images
- Saves time and reduces operating costs

Remote Inspections



WE ARE ABLE TO OFFER REMOTE/DIGITAL FATS TO ALL CUSTOMERS

- Video footage of the turnout is supplied demonstrating switch operation and any specific requests from the customer
- Additional photographs of the turnout is supplied covering all key areas along with any specific requests from the customer
- Any additional customer documentation can also be completed

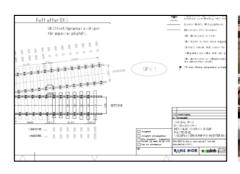
CUSTOMER INSPECTION

DOCUMENT

▶ References

Great-Britain, Sweden, Norway...

The standard Vossloh inspection document is provided on the FAT date







Documentation

- Checklists proving that the turnout has been built according to customer specifications + Drawings of the turnout
- Material list, Delivery specifications



ADDITIONAL FEATURE

➤ A Facetime/Digital call can also be offered to allow a walkaround of the turnout to be conducted in real time along any questions discussed







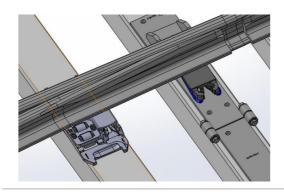


Digitized Inspections for Customized Asset Management

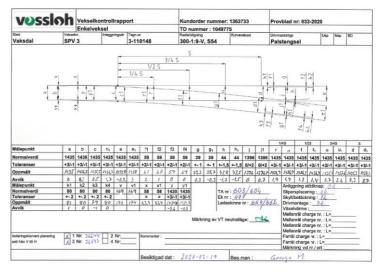


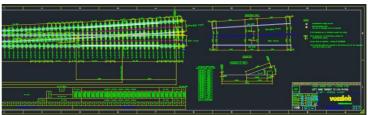
MEASUREMENTS WITH DIGITAL TROLLEY ALLOWING ACCURATE DATA COLLECTIONS

- Digitized and customized checklists for further use in customers different data bases intended for asset management, inspection and maintenance purposes
- ► Drawings are created in 3D and BIM-models are available



Data transferred to the customer in a digital way enabling further use under turnout lifetime





THE TURNOUT OF THE FUTURE

► Each Turnout* will have its own digital data file during all its lifetime enabling optimized monitoring and costs savings

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