





Infrastructure Condition Monitoring.

Wire Geometry

Catenary Infrastructure

Wire Condition

Environment Information

Rail Condition

Track Geometry

Rail Fastenings





51 Track Inspectors



2 Diagnostic Vehicle









Availabilty.



Costs.



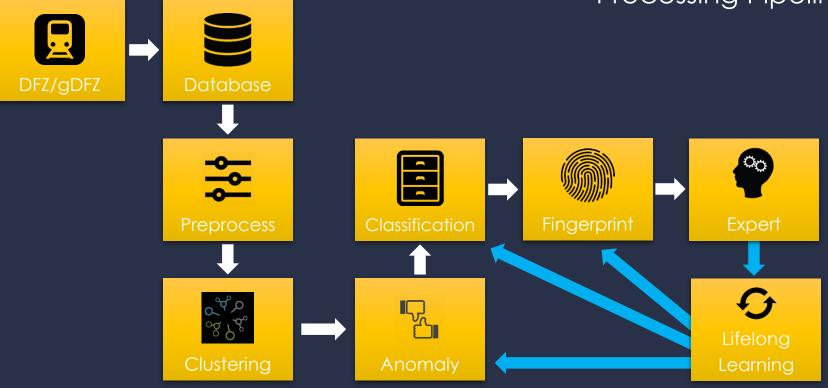
Know-how.

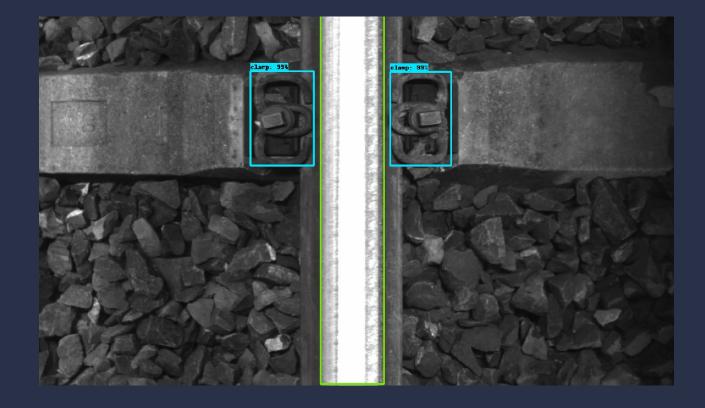






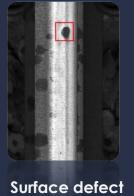
Processing Pipeline.





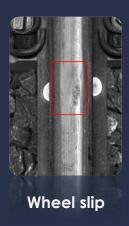




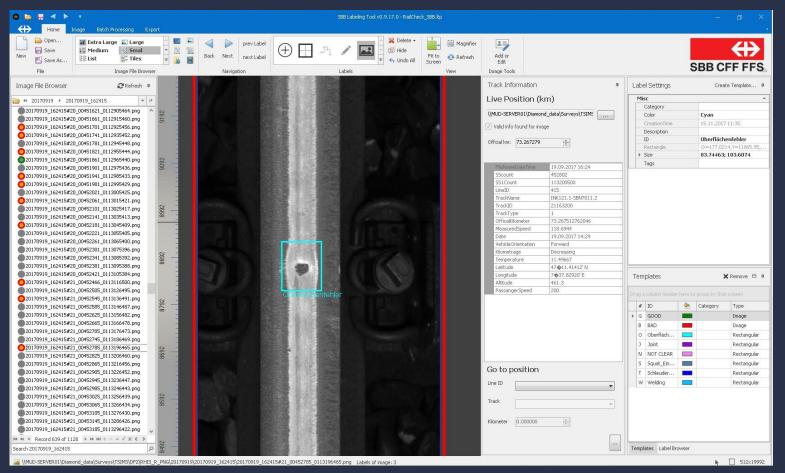




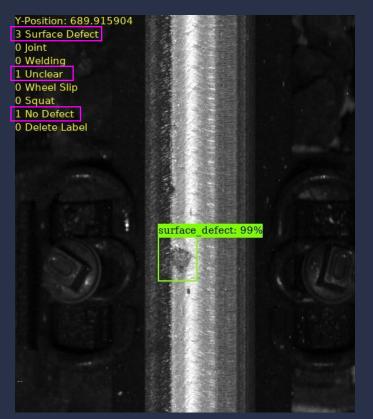




Data Labelling.



Experts, Know-how and Crowd Labelling.







Fingerprinting.





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Evolution of a Defect.



FALSE POSITIVES.

(WITHOUT FINGERPRINTING, PER KM)

Classical Algorithms (10 years optimized)

Neural Network (after initial training)



20

-50%

10

Improving Predictive Maintenance.



