

RCF SCANNER



MOTORIZED INSPECTION KART

- 1 driven axle
- Efficient 2 kW brushless DC motor with energy recuperation
- Speed up to 10 km/h
- Parking brakes
- E-stop functionality
- Frame can be customized to drive existing inspection karts



AUTOMATED TRACK INSPECTION

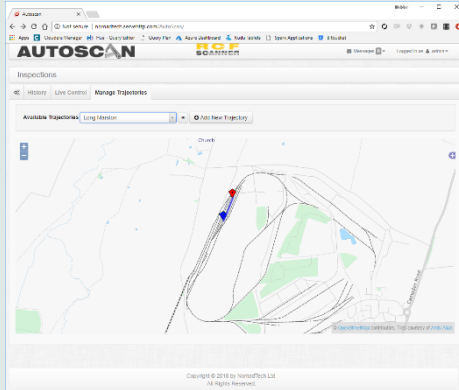
- Flexible payload options:
 - Rolling Contact Fatigue (RCF) fault detection through EMAT and ACFM
 - Rail corrugation measurement
 - Camera inspection
 - ...
- Easily transportable to the track
- Fast installation and removal on the track, limited track possession times



MANUAL DRIVE OPTION

Activation by tethered or wireless control panel

AUTONOMOUS DRIVE OPTION



- Running pre-programmed trajectories (standard GPX format)
- Measurement results imported to asset management systems (for example NomadTech ROCM)
- Wayside supervision of kart operation with wireless connection (WiFi, 4G, or long-range wireless)

OPTIONS



- Centimeter-level positioning using RTK GPS system
- Cameras for real-time wayside supervision and machine vision (e.g. detection of red signal, limited visibility situation, etc)
- UT presence detection
- Front and tail lights
- Auditory signal before start of movement