



NGRT is a Spanish origin company focusing on railway safety, working with railway regulators and helping infrastructure managers and train operators secure their infrastructure and operations.

With unique technology NGRT will secure real-time, accurate and reliable warning of any infrastructure incidents such as Broken Rail, Rock- and landslide, Flooding and Wash-outs, Wheel-Derailment, Flat wheel and unauthorised personnel/objects on the track presented directly into the railway control centres.

## Detection

NGRT's products are designed to detect approaching trains and other types of rolling stock including anomalies impacting the railway infrastructure and performance.

Our products are designed to operate regardless of weather and infrastructure conditions.

## Always Online

NGRT products are designed to always be online, thus providing train control centres, maintenance staff and train operators with necessary alerts and warning times according to international and national regulations.

## Organisation and aim

NGRT is founded by its employees and partners, and based upon a LEAN organisation comprising of larger international partnering organisations.

The NGRT aim is to offer the Railway Industry solutions and technologies based on a highly competitive price structure, best ROI, and shortest lead-time.

## Standards and requirements

NGRT's reputation is based upon providing the best in class regarding quality, reliability and integrity in all our deliverables. Last but not least, our solutions are designed to operate based on the railway industry's standards and requirements.

## Information

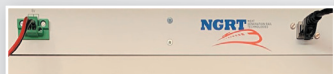
Next Generation Rail Technologies S.L.

For more information, visit [www.ngrt.org](http://www.ngrt.org) or send an email to [info@ngrt.org](mailto:info@ngrt.org)

# NGRT System Components

## NGRT Enclosure

- Runs all NGRT applications simultaneously
- 1 System Management Interface
- 1 or more Main Assembly
- Low power consumption at appr. 30W
- Built-in redundancy and GSM connection
- Industrialized 19" XXU size
- NGRT certified enclosure or existing REB



## System Management Interface (SMI)

- Configuration unit for the NGRT system
- Input voltage DC 5V
- Data Connection Cat 5 / Cat 6
- Temperature certification -20 to 70°C
- IEC 60297-3
- REACH compliant
- DIN 41494
- RoHS compliant



## Main Assembly (MA)

- Connection for all VDU(s)
- Input voltage DC 24V, DC5V
- Data Connection Cat 5 / Cat 6
- Temperature certification -20 to 70°C
- IEC 60297-3
- REACH compliant
- DIN 41494
- RoHS compliant



## Vibration Detection Unit (VDU)

- Three versions available
- 40W, 80W or 120W