NT Power Solutions

- Power traction refurbishment from GTO to IGBT technology
- Railways power electronics repair centre (proved experience with different OEM converters)
- High power testing facility
- Railway innovation – hardware & software development

**Traction converter refurbishment**

**GTO to IGBT upgrade**

- Life cycle cost reduction of more than 50%:
  - very competitive installation cost – Plug & Play
  - reduced maintenance costs
  - 12% of energy savings
- Immediate return of investment
- No homologation required
- Higher system reliability and availability
- Remote condition monitoring embedded
- Refurbishment technology applicable to different train OEMs

The Nomad Tech system replaces older GTOs in the power traction converters, with new IGBT modules, realising significant energy savings and substantial acquisition and maintenance cost reductions for the train owner.

Contact us for a demo

info@nomadtech.pt

Nomad Tech and EMEF (maintenance company for Portuguese Railways) developed a modular power system for existing railcars and locomotives called Lusogate, which performs the refurbishment of the power traction converter from the GTO (Gate Turn-Off thyristor) to IGBT (Insulated-Gate Bipolar Transistor) technology.