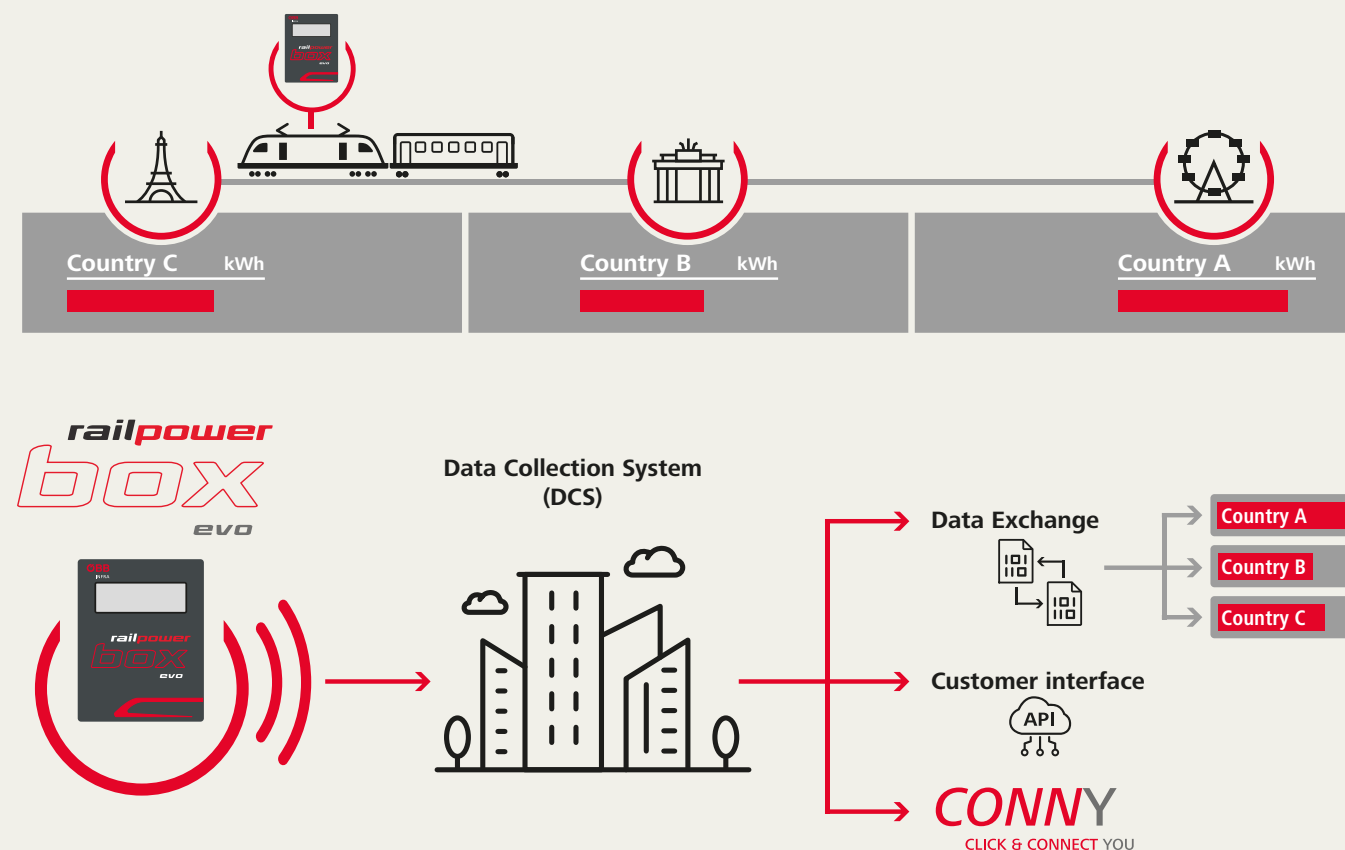


The railpower box evo – the Full-Service Offer of ÖBB-Infrastruktur AG

ÖBB-Infrastruktur AG offers the railpower box evo for rent as a full-service model. The monthly measurement fee includes the provision of the hardware including SIM card, data transmission and data management.



Web interface for customers

- Visualisation of the measured values
- Management of co-users

Data Exchange

- Transmission of CEBDs to Infrastructure Managers

Quality assurance at the highest level

- Function monitoring
- Provision of spare parts

API interface

- Provision of machine-readable data

The railpower box is distributed exclusively and solely by ÖBB-Infrastruktur AG.

Further information and contact:

ÖBB-Infrastruktur AG

Praterstern 3, 1020 Vienna, Austria
E-Mail: Infra-NZ.Vertrieb@oebb.at

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ÖBB
INFRA

Distance calculation

SIM card

Information provision

International data exchange

The next generation energy metering system

Downward compatible

Acceleration Sensor

EN50463 compliant

5G data transmission

Metering service included

Multi-band GNSS receiver

Rent model



TODAY. TOMORROW. TOGETHER.

infrastruktur.oebb.at

railpower box – The Energy Measurement System

The railpower box records precise data in accordance with EN50463 and makes it available for international data exchange. Energy data - both active and reactive energy in consumption and regeneration - and position data are determined via GNSS (Global Navigation Satellite Systems).

railpower box evo – The New Generation

The railpower box evo represents the continuous development of the familiar railpower box quality and is compatible with the existing railpower box types.

Compatible

The railpower box evo can be integrated into the existing mounting points of the railpower box mini 2.0 and railpower box standard. The existing electrical interfaces remain the same.

SIM Card Included

The SIM card is provided by ÖBB-Infrastruktur AG.
All costs for data transmission are included in the service.

Latest 5G Technology

Benefit from the latest data transmission technology for maximum network coverage and high transmission rates. The railpower box evo uses 2G/4G/5G technologies.

Multi-band GNSS Receiver

The railpower box evo uses multiple GNSS systems (GPS, Glonass, Galileo, Beidou) for maximum positioning accuracy.

Acceleration Sensor

The integrated acceleration sensor measures the G-forces on the vehicle and enables new functions such as shunting shock detection.

Internationally in use

The railpower box evo also enables international data exchange with many European countries. Benefit from comprehensive networking and a continuous international data flow.

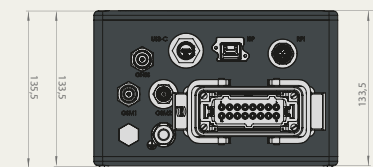
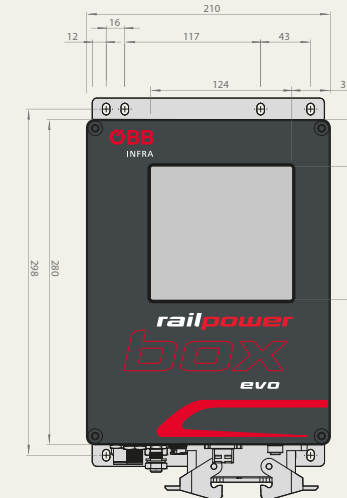
- Developed according to international specifications: EN50463, TSI ENE, TSI LOC & PAS
- Approved in Europe by a Notified Body
- International data exchange in Europe



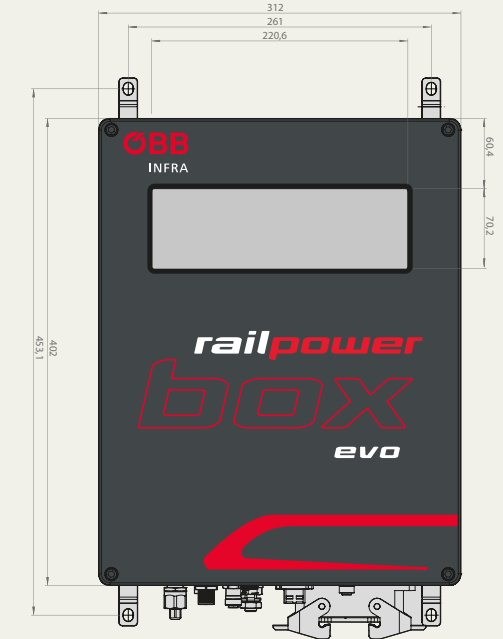
Flexible with Two Housing Variants

The railpower box evo is available in two housing variants, both of which offer the same functions. Choose between the compact railpower box evo mini and the railpower box evo standard, depending on your individual requirements.

railpower box evo mini



railpower box evo standard



Technical data

Power supply	24V-110V DC
Power consumption	10W normal operation 30W max.
Connections	Mobile radio1: N socket Mobile radio2: TNC socket GNSS: N socket Power supply and transducer signal: Harting HAN 16 ISP: Harting PushPull RPI: M12 USB-C
Protection class	IP 65 with suitable connectors or covers
EMC	EN 50155:2021 EN 50121-3-2:2016 EMV06:2019

Fire protection	EN 45545-2 HL1-HL2 EN 45545-5 Operating classes OC1-OC3 for all construction classes
GNSS	GPS L1, L2, L5 GLONASS L1, L2 Galileo E1, E5, E6 BeiDou B1, B2, B3 QZSS L1, L2, L5 Navic L5 RTK capable
Modem	2G, 4G, 5G
Energy meter	LEM EM4TII+
Memory depth	365 days for CEBD

For applications that only require position detection, the railpower box evo is also available in the Positioning version – without an energy meter.