

SOLUTIONS YOUR WAY.



INNOVATIVE BY TRADITION

ABOUT PCM RAILONE

QUALITY SINCE 1894

Foundation



1894

First concrete tie



1954

First foreign plant



1993

Establishment of concrete tie plants in South Korea, Turkey and Saudi Arabia



2007

Acquisition by the PCM Group of Industries



2013

Opening of the Aschaffenburg (DE) Plant



2018

Inauguration of the Schwandorf (DE) plant



2019

Our Brand

RAILONE is the first one railroad companies all over the world think of when they consider to build, expand or upgrade their infrastructure. Thanks to our extensive expertise, global experience and deep passion we deliver the best possible quality and generate sustainable success – for our customers, our employees and the entire PCM RAILONE Group

ABOUT PCM GROUP OF INDUSTRIES

PCM Group of Industries is one of India's leading business conglomerates. Founded by the Visionary Icon Late Punam Chand Mittal, the Group is in diverse areas of business including Engineering, Information and Communication, Manufacturing, Service, Energy, Media, Steel and Consumer Products. Its various companies have manufacturing facilities spread across India. PCM Group also has business in Kingdom of Saudi Arabia, UAE, Europe and upcoming projects in USA, Canada and Australia.







Since 2013 we are a proud member of the PCM Group of Industries. This strong relation enables us to act even more locally on an international basis for our customers.

Internationally present

Partnership About 22 million
B 70 ties sold to Deutsche Bahn

Stability Our ties bear up to 36
metric tons axle load

Capacity Groupwide production
capacity of > 5 mio track ties and
840,000 meters of turnout bearers

Success Over 4,700 km of
ballastless track system
RHEDA 2000® installed

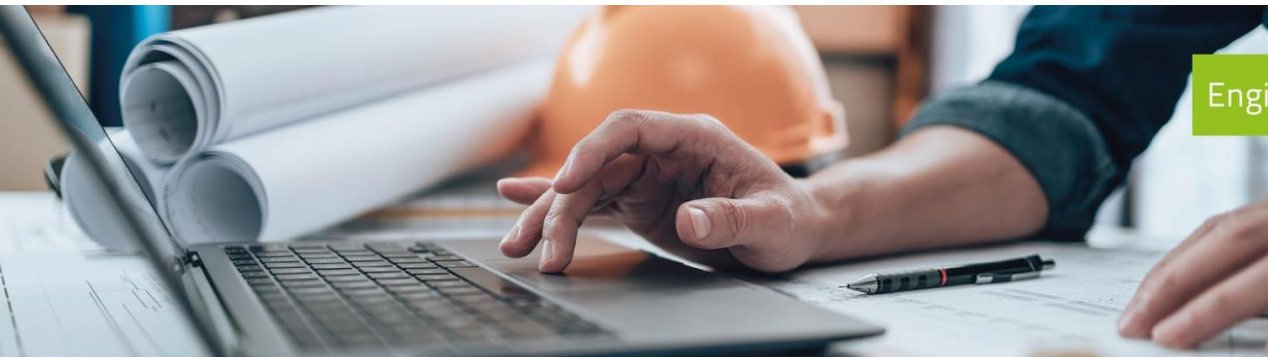
Ingenuity Hinged turnout bearers with 140°
rotation to facilitate transport of pre-assembled
turnout panels on standard railway wagons

Customer Orientation About 250 different
types of concrete ties available

Internationality
With numerous
production facilities
in nine countries
RAILONE is acting
locally international

Innovation Continous innovations
documented by currently about 200
patents

BUSINESS AREAS AND PORTFOLIO



Engineering

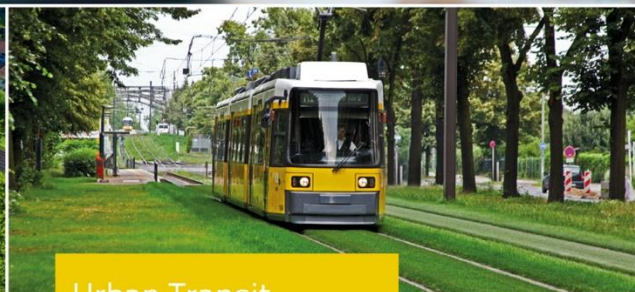
System integration

Design
Construction supervision
Special solutions



Long-distance & freight transport

Ballasted track
Ballastless track
Freight and heavy haul transport



Urban Transit

Ballasted track
Ballastless track
Green track

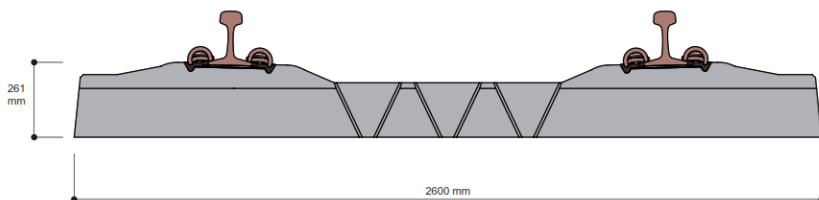


Plant construction

Consulting
Conception
Delivery
Commissioning

PRODUCT CATALOGUE – BALLASTED TRACK

HHT 15



Location/Project

Various projects, USA,
Canada

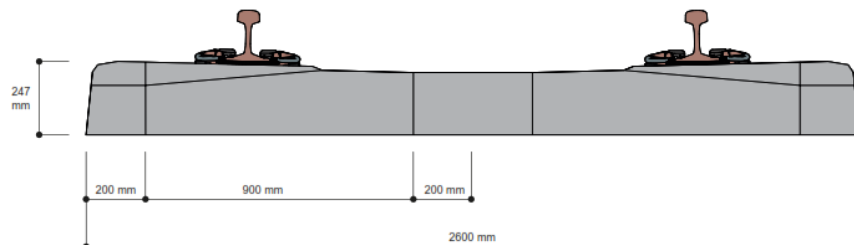
Pieces

> 1,000,000

Year

Since 2014

AI 04



Location/Project

Haramain, Mecca – Medina, SA

Various Projects, Spain

Pieces

500,000

805,000

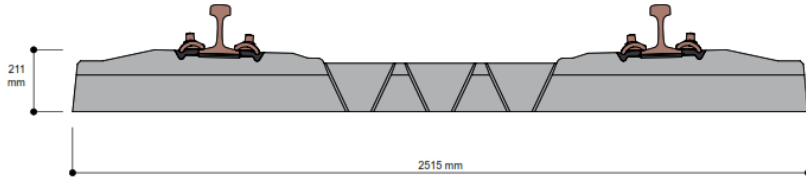
Year

2013 - 2017

Since 2019

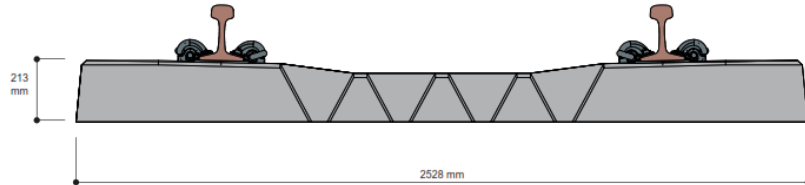
PRODUCT CATALOGUE – BALLASTED TRACK

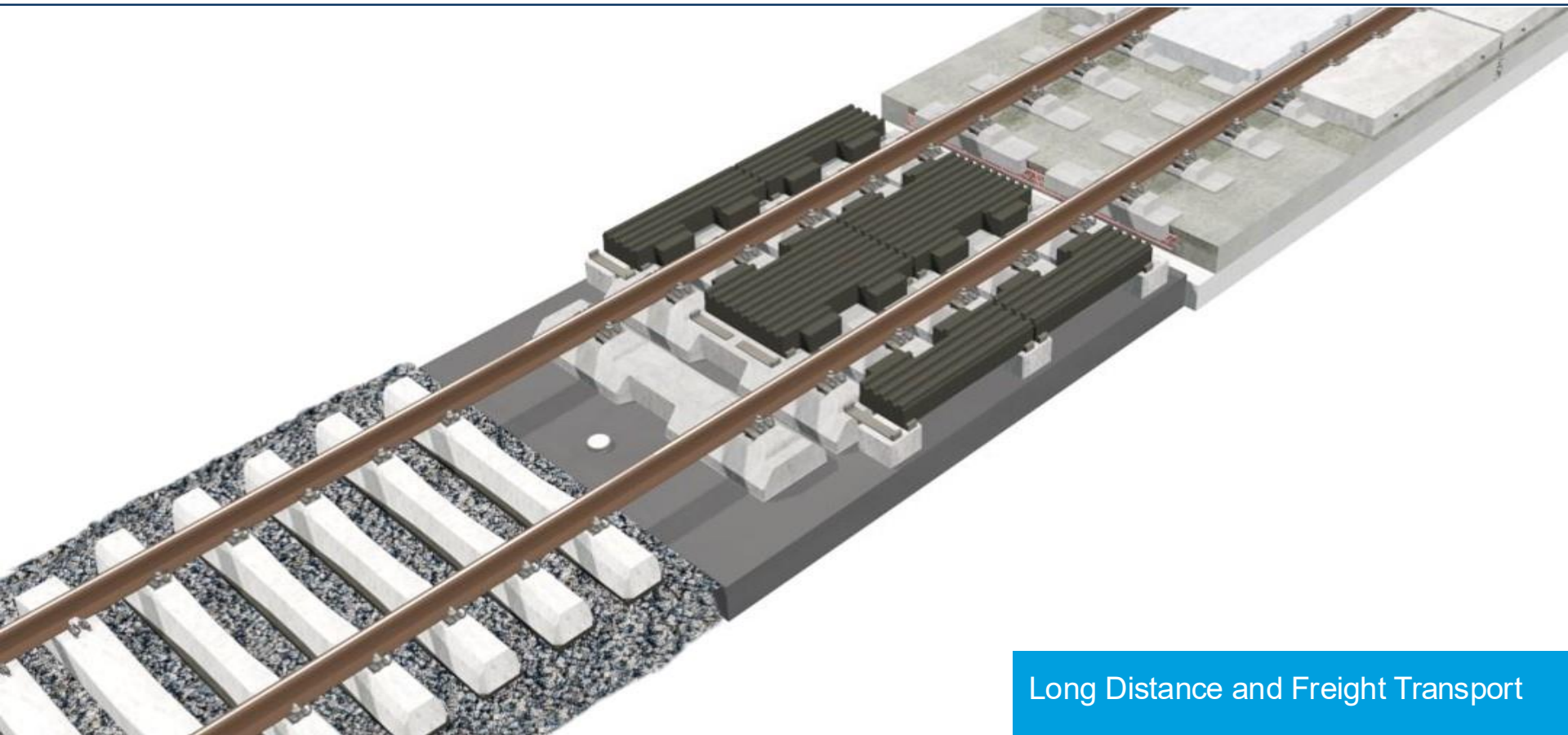
UTT 17



Location/Project	Pieces	Year
Hurontario (Canada)	5,000	2021-2022

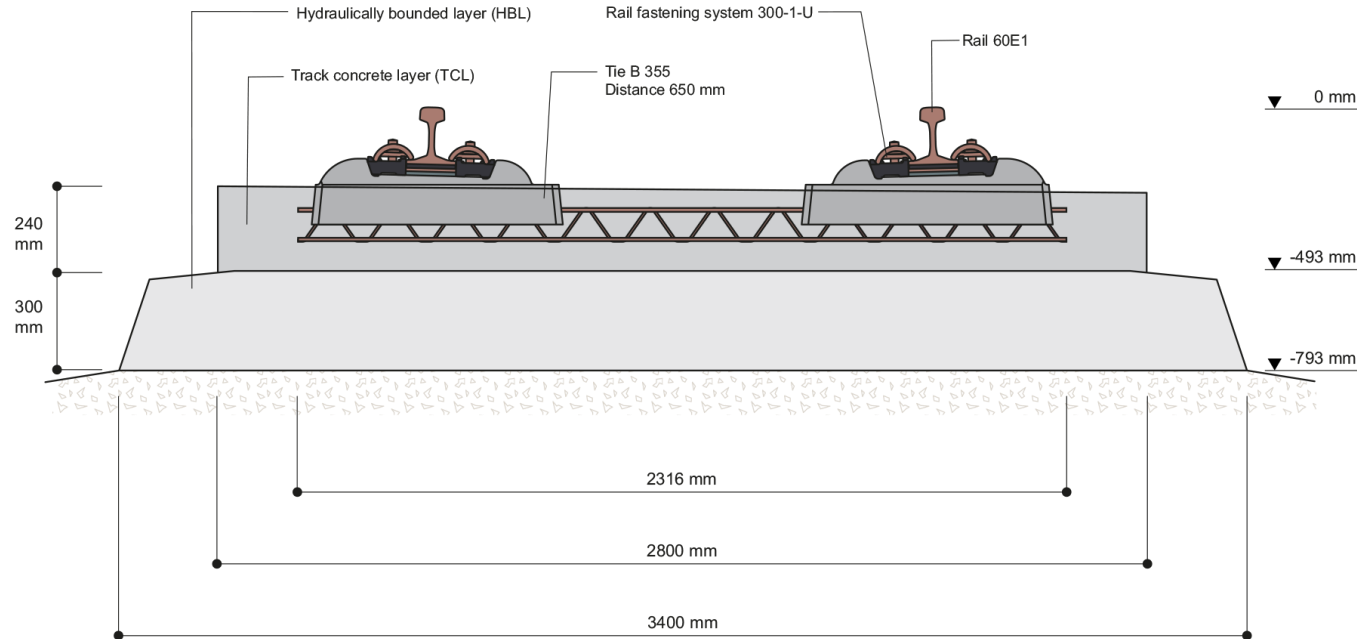
UTT 21





Long Distance and Freight Transport

RHEDA 2000® - MAXIMUM PASSENGER COMFORT FOR MAXIMUM SPEEDS





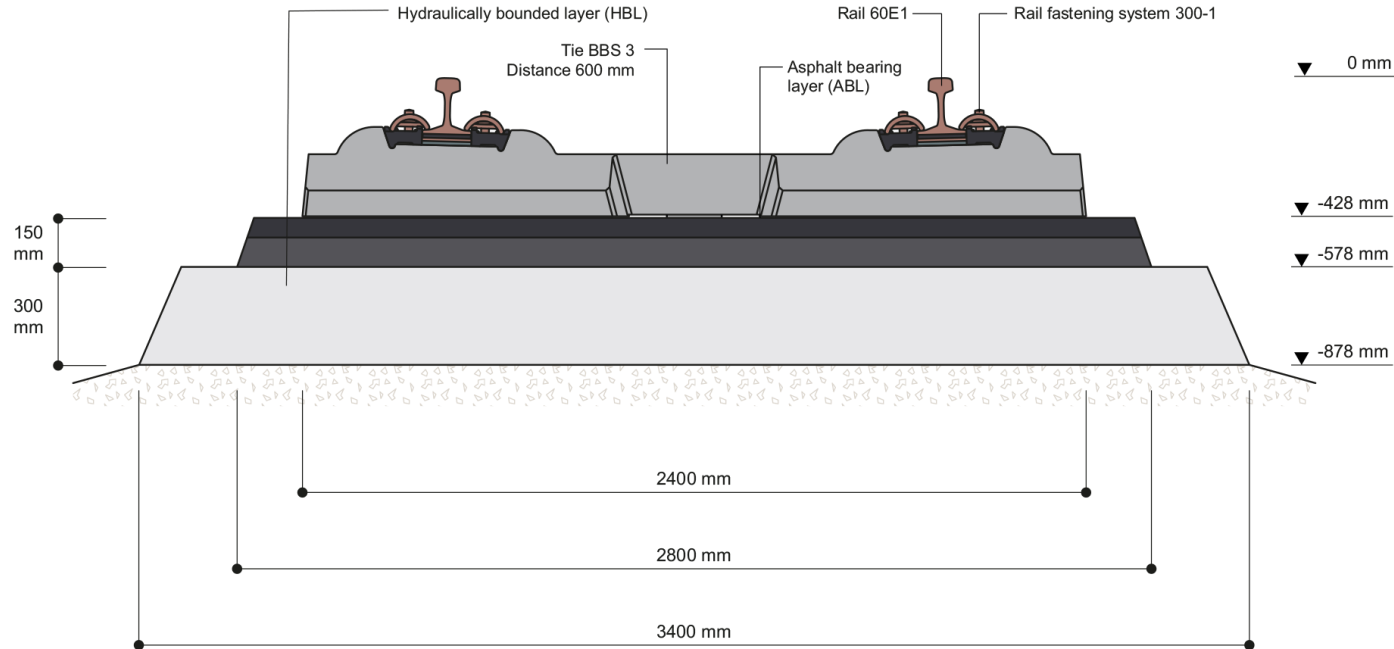
High-speed line with RHEDA 2000® system

- Total length of the route is about 100 km
- The utilization of the maximum speed is 300 km/h
- Applied axle load is 22.5 tons
- Due to its high speed, the RHEDA 2000® can withstand the load by means of a mass-spring system - the only ballastless track technology for high-speed systems
- The scope of supply includes 260,000 main-track ties; in addition, RAILONE was responsible for areas of engineering, project management, and quality assurance

HSL Zuid, Netherlands



GETRAC® - INNOVATIVE ASPHALT TECHNOLOGY FOR ECONOMICAL ASSEMBLY





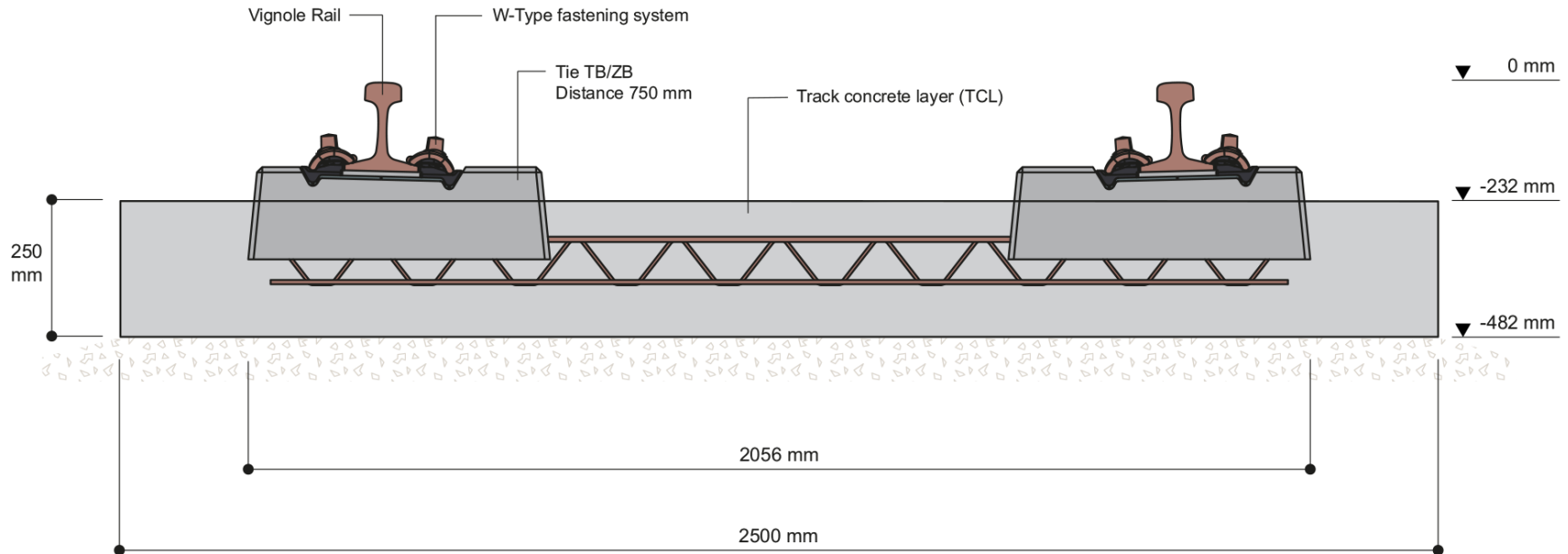
GETRAC® for optimum tunnel construction

- Delivered in 2005
- Tunnel on the connection Erfurt – Wuerzburg
- GETRAC® A3 ballastless track system solution with wide ties and reduced overall height as particularly suitable for tunnel installations
- Track length: 7.2 km (2 x 3.6 km)
- The Brandleitunnel is the fourth tunnel in a row that RAILONE has equipped with the GETRAC® A3 system in DB Netz AG's network

Brandleitunnel, Germany



RHEDA CITY – PROVEN RHEDA 2000® QUALITY FOR URBAN TRANSIT



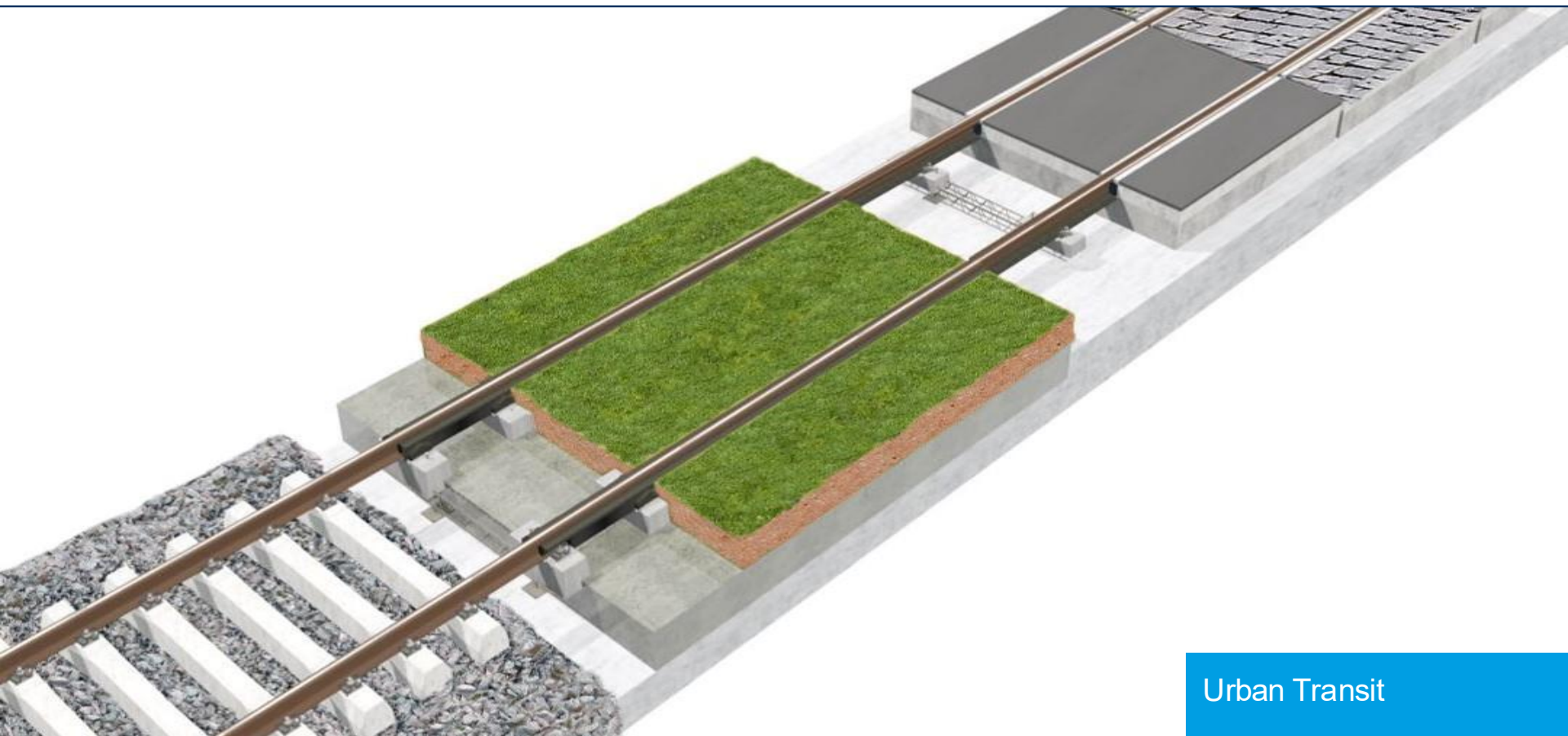


RHEDA CITY our smart system for urban transit

- RHEDA CITY conquers the North American and Canadian market for the first time supplying the REM (Réseau Express Métropolitain)
- From 2019 - 2024 RAILONE supplied around 21,5000 ties of the RHEDA CITY D system as well as Jordan ties to ensure integrated derailment protection
- Ties were produced in RAILONE's plant in Clinton (USA)
- Track length: 27 km

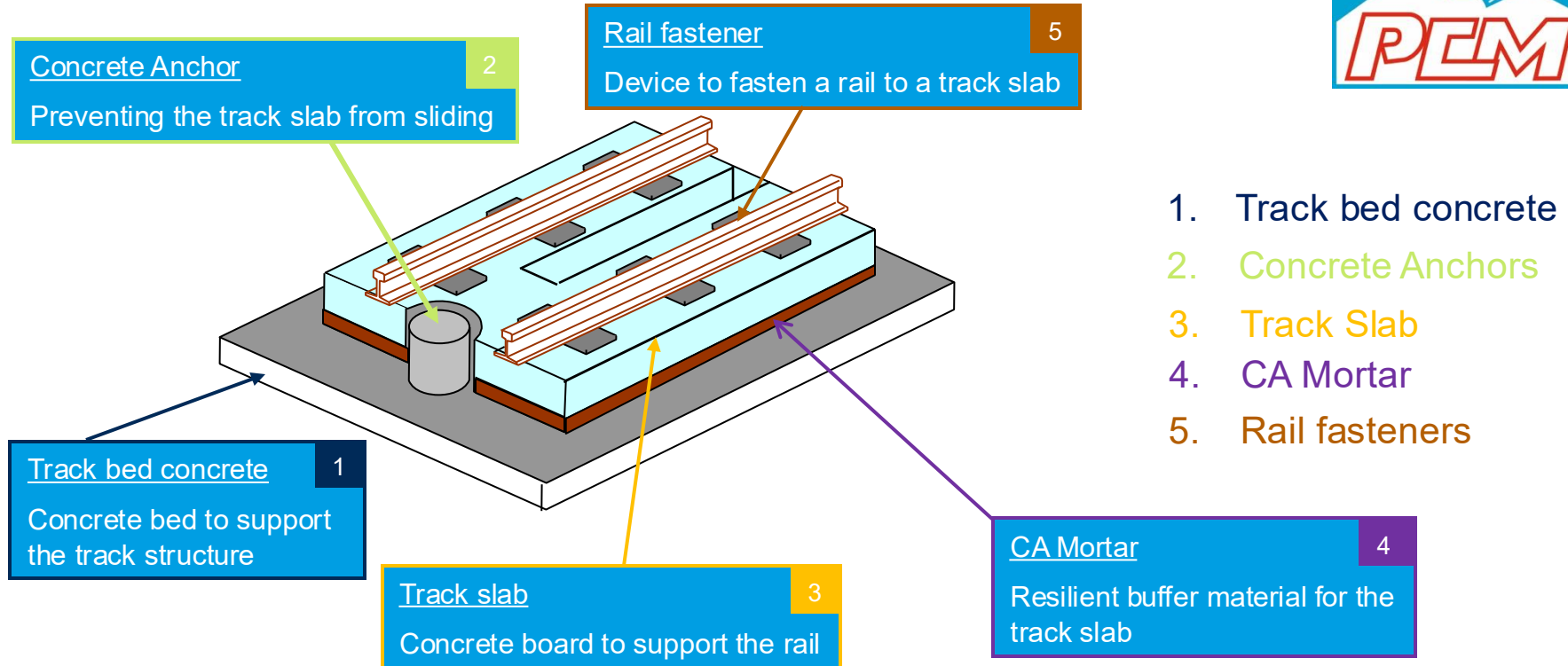
Montreal, Canada





Urban Transit

COMPONENTS OF SLAB TRACK (J-SLAB)





01



Consultancy

Based on deep expertise, RAILONE offers consultancy services in the fields of –inter alia– noise and vibrations, geology, survey, LCC, RAMS and interoperability analysis.

02



Design

From concept design to preliminary and detailed design. RAILONE provides calculations, reports and project documentation required for track construction.

03



Construction supervision

RAILONE's experts support your track construction from preparation works to construction completion based on extensive experience on ballasted and ballastless track systems.

04



Maintenance and Quality Assurance

RAILONE provides the maintenance and repair plans, quality assurance documentation etc. to ensure optimal construction and track performance.

Engineering

Complete plants or partial services

From your inquiry to commissioning: Our services ensure the efficient construction of your plant

Plant engineering

Whether predominantly manual or highly automated production, plant and manufacturing processes are geared entirely to your economic success.

Product development

Use our proven product simulation to optimize your ties in terms of material usage and durability

Training

Our experienced specialists support, accompany and train your staff: from commissioning to maintenance.

Production logistics

All production logistics processes are proved regarding cost-effectiveness before construction and planned accordingly.

Requirement assessment

Having many years of experience, we find the sustainable solution that is precisely customized to your requirements.

Mould design

Mold follows product – we develop the mold that exactly matches your manufacturing process and your requirements.

**Intralogistics**

Use our know-how to perfect your material and data flows, optimize processes and quality assurance and optimize cash flow.

Material/construction material technology

We help you to select the ideal commodities for your ties and the perfect formulation for your manufacturing system.

Infrastructure

We ensure short distances, whether for integration into the existing infrastructure or for the development of an economical solution for new buildings.

Installation/ Commissioning

Together with your specialist personnel, our team of experts will install and commission the system.

Funding

Your journey is the reward: We support financing your plant with selected partners.

Quality management/certification /auditing

With our international presence and experience, we advise and support you in product certification and QMS auditing.

Spare parts management

With our contacts to renowned manufacturers, we offer you spare parts concepts that guarantee fast availability worldwide and thus smooth production.

Plant Construction



High quality and modular plant technology

- Up to 100 employees in the plant
- Up to max. 600,000 main-track ties p.a.
- Deliveries to Class 1 customers
- ties meet the highest heavy-duty traffic requirements
- tie design based on AREMA and ASTM standards
- Diversity: ties for urban and mainline transport
- Complies with Buy America Act, ISO 9001 & M1003 and approved to ACI/PCI standards

Clinton, USA



CLIENTS AND PROJECTS



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