

SERSA TOTAL TRACK

Supplier of Complete Range of Railway Technologies

Company Presentation



Rhomberg Sersa Rail Group & Sersa Total Track

At a Glance



Rhomberg Sersa Rail Group

Owner Board: Konrad Schnyder, Hubert Rhomberg, Ernst Thurnher, Jürg Braunschweiler

Approximately 1850 employees (Nov. 2013)

Turnover approx. CAD\$ 532.8 million

Operational Companies in Switzerland, Austria, Germany, Australia, Canada, UK, Turkey and The Netherlands.



Sersa Total Track

68 County Rd #5, Mallorytown, ON, K0E 1R0

Management Board: Martin Benkler, Marko Pohlmann, Chris Grill

Approximately 50 employees (Oct. 2012)

Turnover 2012: approx. CAD\$ 14.5 million



Rhomberg Sersa Rail Group

Merger Strengthens Market Presence



The group's reorganisation and concentration of know-how in all the fields of rail technology offer optimised opportunities on the global market.

Rhomberg Sersa Rail Group

Locations and Projects



Rhomberg Sersa Rail Group

Range of Services

Full Railway Engineering Service Provider

Railway Construction

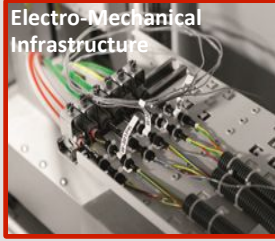
Track Construction and Renewal



Track Maintenance



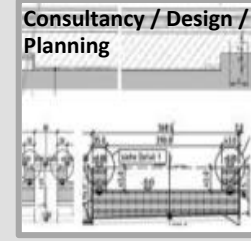
Electro-Mechanical Infrastructure



Railway Power Supply



Consultancy / Design / Planning



Safety and Access Systems



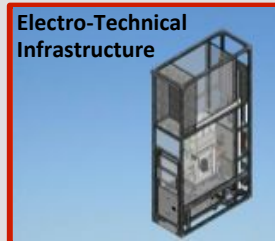
Restoration of Railway Tunnels



Slab Track Construction



Electro-Technical Infrastructure



Communication Technology



Systems and Measuring Technology



Logistics Services



Railway construction

Track Construction and Renewal: Services

Gibson Energy, Millhaven, ON

Project value: \$9.8 M

New construction of:

- 5.750 feet of track,
- 4 switches and
- 1 crossing.



Sersa Total Track has long year experience in delivering individual work elements through to entire projects.

Fields of Services

- Track Construction (Ballast & Slab);
- Track and Tie Replacement;
- Welding (Thermite and Flash Butt);
- Turnout Construction, Maintenance and Reconditioning;
- Track Inspection, Maintenance Certification and Commissioning.

Railway construction

Track Construction and Renewal: Mechanized



VIA Rail Canada Inc.

Alexandria, Smith Falls and Chatham Subs
Project Value: \$6.5 m

Supply and Installation of 44'000 track ties, surfacing and stabilizing of 216'480 track feet, rehabilitation of 7 crossings, supply and installation of 9'134 tons of ballast (undercutting).

Sersa Total Track can offer all machinery to construct, renew and maintain tracks. We own all necessary machinery to carry out the following:

- Levelling and Resurfacing
- Ballast Cleaning
- Railroad Crossing Construction & Rehab
- Rail Replacement
- Tie Replacement

We are proud to be the only privately owned company to operate undercutters and dynamic stabilizer in Canada.

Railway construction

Track Construction and Renewal: Tools & Equipment



VIA Rail Canada Inc.

Project value: \$5.5 m

Supply and Installation of 5'3000 track ties, supply and installation of 71'821 track feet of CWR, distressing of 142'494' linear feet of CWR, supply and installation of 28'248 tons of ballast (undercutting), installation of 24 glue joints, surfacing and stabilizing of 151'800 track feet.



- Harsco Mk IV Tampers
- Plasser GRM Tampers
- Kershaw Tie Injectors
- Kershaw Power Jacks
- Kershaw Rotary Scarifier
- Nordco M7 Ballast Regulators with snow fight packages
- Nordco Spike Puller & Drivers
- Liebherr A900's & A904's Shovels with buckets, grapples, brush cutters & magnet attachments & cold blowers
- Dynamic Track Stabilizer Plasser PTS90C
- Plasser RM 76 UHR Undercutter
- Plasser RM 80 UHR Undercutter
- 110 ton ballast cars
- All necessary hand tools

Railway Construction

Track Construction and Renewal: Public Transport



Slab Track Projects

- Tram Dresden, Germany
- Monterrey Metro, Mexico
- Metro Valencia, Venezuela
- Zurich Tram, Switzerland
- Kadiköy-Kartal Metro, Turkey
- Metro Cologne, Germany
- S&C Renewal in Rheda (built in 1972), Germany
- Tram Munich, Germany

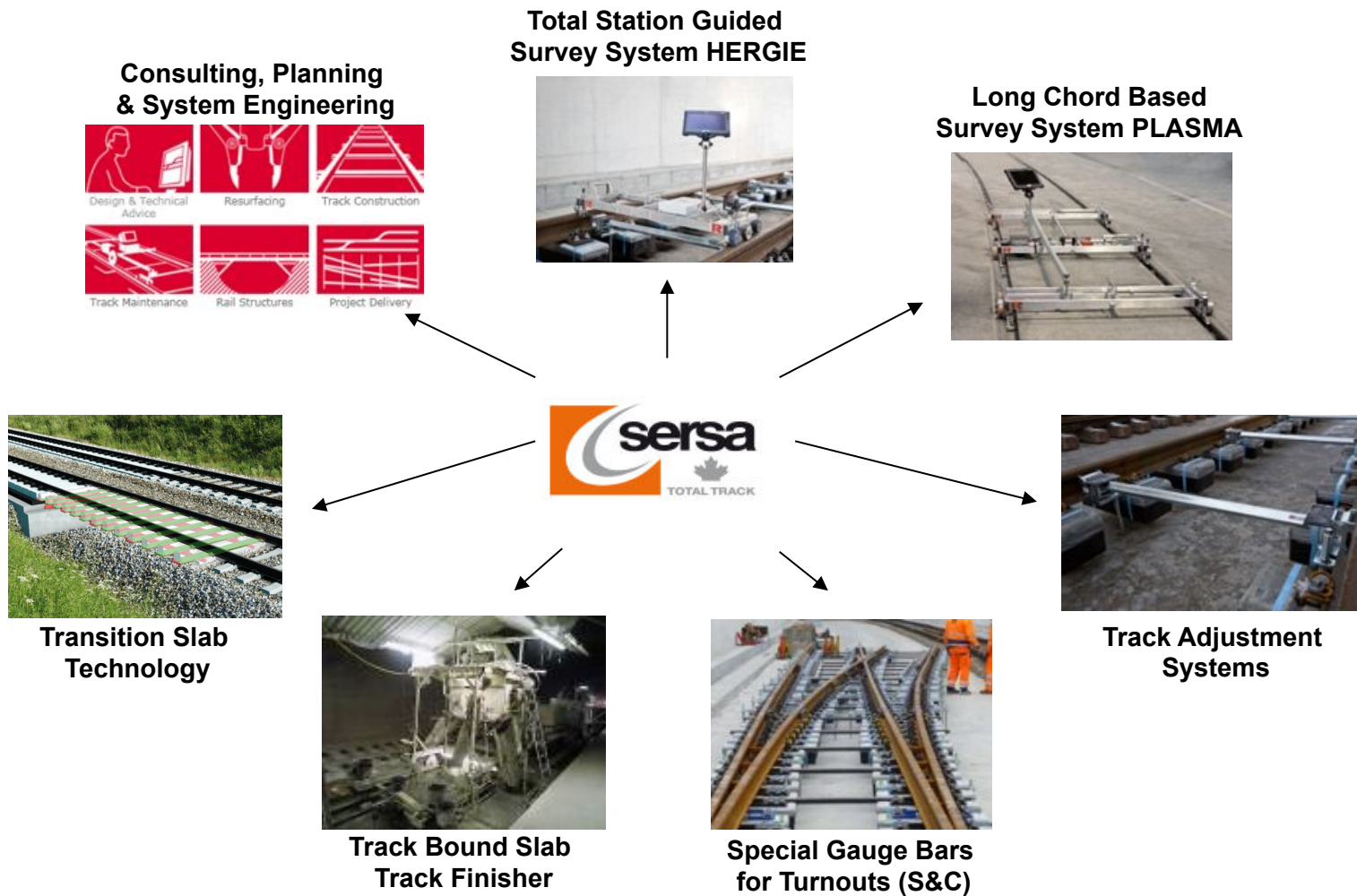


Sersa Total Track can offer excessive knowledge and implementation in challenging traffic environments:

- Complex track projects for public transport infrastructures;
- Construction and renewal of track systems;
- Maintenance of track systems (grinding);
- In-house developed equipment (surveying machines and adjustment systems) to install slab track.

Railway Construction

System Engineering & Technology



Railway Construction

Track maintenance: SLS Second Life System®



- Economical rail and points renovation with no interruption to railway operations
- Gauge width is restored
- The service life of the rails and points is prolonged

Railway Construction

Track Maintenance: Rail Welding



Sersa Total Track can provide following welding:

- Aluminothermic rail welding
- Mobile flash butt welding
- Build-up welding on points
- Build-up welding on grooved rails and rail heads

Railway Construction

Slab Track



We master all systems for LRT, Metros and Streetcars

- Systems with sleepers poured into an in-situ concrete track slab (Rheda Green, Rheda City, Rheda 2000)
- Systems independent to all various systems (System Dresden, System Cologne, etc.)
- LVT Sonnevile Blocks (New York, Zurich, Malmö, Sochi)
- All DFF Fastening Systems

Railway Construction

Slab Track

Projects

- Cleveland LRT, USA
- Spadina Crescent, Toronto
- New York Subway No. 7, USA
- City Tunnel Zurich, Switzerland
- Brenner Tunnel North Approach, AUT
- City Tunnel Malmö, Sweden
- Lötschberg Base Tunnel, Switzerland
- Sochi, Russia



Core competences are

- Project development
- Measuring / surveying
- Track adjustment
- Casting of concrete
- Logistics, Traffic Management
- Maintenance / renewal also under operating conditions

Products and Services

Consultancy, Design and Planning



Clients/Projects

- Calgary Transit, Alberta
- Toronto Transit Commission, ON
- RZDStroy, Russia
- Network Rail, UK
- Docklands Light Railway, London, UK
- Edinburgh Tram, Scotland
- Metro Thessaloniki, Greece
- London Underground, UK

Working closely together with our competence centers within the Group we can draw back on a high level of knowledge and expertise in the areas of:

- Consulting,
- Design and planning competences,
- Provision of experts and systems,
- Project management and quality assurance,
- Logistics and measuring technology.

Products and Services

Safety and Access Systems



The Rhomberg Sersa Rail Group offers you a range of site organization systems:

- Access and locating systems,
- Barrier systems,
- Video monitoring,
- Security control stations,
- Communication systems,
- Alarm and fire alarm systems,
- Air quality systems,
- Power supply and site lighting.

**MERCI
THANK YOU
GRACIAS
DANKE**



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