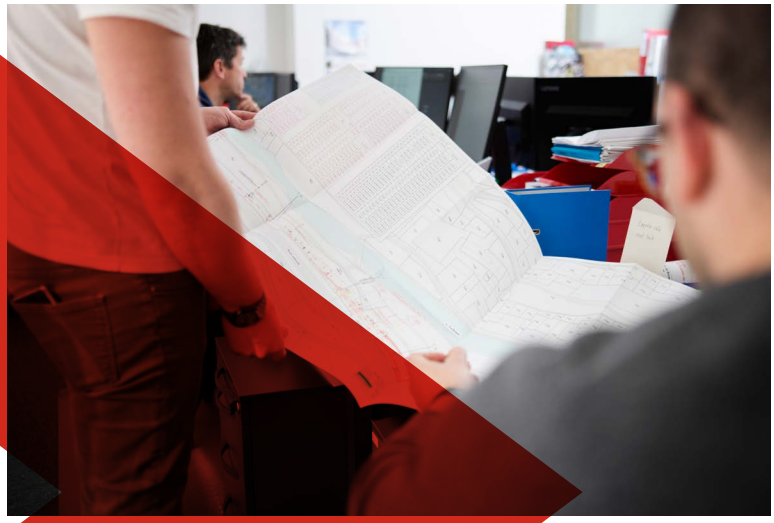
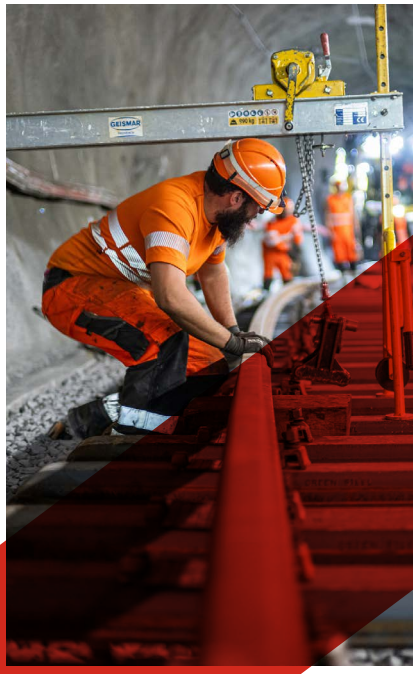












TMR OCTOFER

RAILWAY ENGINEERING

OUR HISTORY,
THE FOUNDATION
OF OUR KNOW-HOW

→ PAGE 4

OUR SKILLS, OUR EXPERTISE

→ PAGE 7

OUR SERVICES

→ PAGE 8

WHAT EXACTLY ARE
WE DOING FOR YOU?

→ PAGE 11

TMR OCTOFER
YOUR CHOICE

→ PAGE 12

REFERENCES AND CONTACT

→ PAGE 13

OUR HISTORY, THE FOUNDATION OF OUR KNOW-HOW



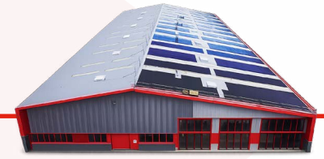
1906
Birth of the line
The metre-gauge Martigny-Châtelard (MC) company inaugurates its railway line, including a rack section (200 ‰ gradient, Strub system) and a third power rail.

Commissioning of the standard-gauge Martigny-Orsières (MO) line, linking the Rhône plain to the Entremont valley.

1910
Martigny-Orsières line

1953
Sembrancher-Le Châble branch line
Opening of the Sembrancher-Le Châble branch line, serving the Bagnes valley (Le Châble-Verbier).

2012
Creation of a railway engineering office
Creation of a railway engineering office within TMR's Infrastructure department. TMR becomes one of the first railway companies in French-speaking Switzerland, outside SBB, to adopt dedicated track-geometry calculation software (TopoRail).



2014
First external mandates
The office carries out its first third-party mandates: track alignment studies for TPC (Transports publics du Chablais), marking the opening of our services to the external market.

2022
Peak activity in French-speaking Switzerland
The office works with the full range of railway stakeholders in French-speaking Switzerland: railway companies, civil engineering firms, construction companies, industrial companies connected to the rail network, and more.

2025-2026
Renewed trust
Several major clients renew their trust, consolidating TMR's position as a centre of expertise in railway track engineering, both on the plain and in mountain environments.



OUR SKILLS, OUR EXPERTISE

The Octofer engineering office, specialised in railway technology, offers a comprehensive range of services for the design, planning, construction supervision and maintenance of railway superstructure.

- A centre of expertise for railway track - standard gauge, metre gauge and rack railway - with proven capability for works both on the plain and in the mountains.
- A reliable and independent partner, specialised in railway technology and backed by the hands-on experience of an infrastructure operator and manager.
- One of the first railway companies in French-speaking Switzerland outside SBB to be equipped with track geometry calculation software (TopoRail), with BIM/IFC integration
- Full command of federal procedures and the latest applicable standards (FOT, OPAPIF directives, RTE, DE-OCF).
- Proven coordination of all contractors and specialists: civil engineering, overhead contact lines, safety installations, special works, and more.
- A pragmatic approach, with personalised advice and offers from field survey through to commissioning.

OUR SERVICES

Octofer supports its clients throughout the entire life cycle of the railway superstructure: from surveying existing installations to their maintenance, including design, project management and construction supervision. Our offering is structured around five service areas:



STUDY AND DESIGN

We turn a need into a feasible railway project that is technically optimised and economically controlled.

→ **Feasibility studies:** preliminary analyses to assess the technical and economic viability of railway projects, analysis of the existing alignment and proposals for improvement.

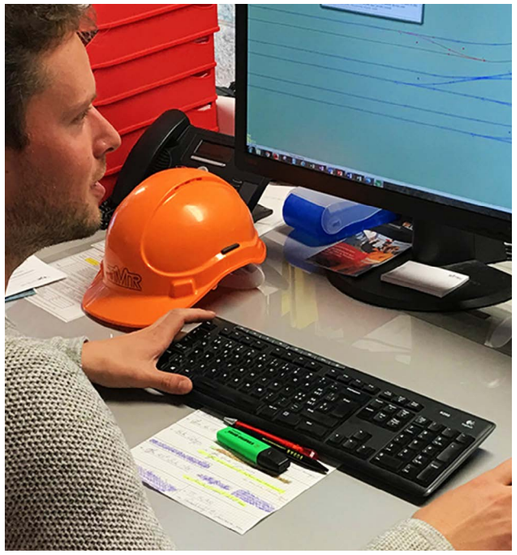
→ **Surveying and modelling of existing assets:** track surveys by free station, topometric calculations and point-cloud creation, restitution of layout, longitudinal profile and cant, database management.

→ **Track alignment design:** development of alignments for standard- and metre-gauge tracks, including rack sections; study of curves, gradients and turnouts, speed optimisation using TopoRail, geometry smoothing and continuous welded rail.

→ **Variant studies:** development and comparison of preliminary project variants, feasibility analysis and optimisation through to the final variant.

→ **Modelling and simulation:** simulation of real-world conditions to optimise network performance, integration of railway superstructure into BIM models through IFC file creation.

→ **Expert assessments and technical opinions:** railway expertise, second opinions and technical support for project owners and third-party engineering firms.



PROJECT MANAGEMENT

We steer projects while respecting deadlines, costs and quality, in coordination with all stakeholders.

→ **Planning and coordination:** preparation of detailed schedules and effective coordination between the various stakeholders, specialised engineering firms, civil engineering, overhead contact lines, safety installations, special works, and more.

→ **Monitoring and control:** implementation of rigorous mechanisms to ensure compliance with deadlines, budgets and quality standards.

→ **Plan approval procedure file (PAP):** preparation of plans and reports for the Federal Office of Transport in accordance with the OPAPIF directive, ensuring project compliance.

→ **Cost preparation:** preliminary measurements, quantities and estimates to frame and monitor project budgets.

→ **Tenders and award support:** preparation of tender documents, comparison of offers and support for contract award.

→ **Preparation of base plans:** provision of reference documents and plans required by the various contractors and specialists.



INFRASTRUCTURE ENGINEERING

We size and detail superstructure components while anticipating operational and safety constraints.

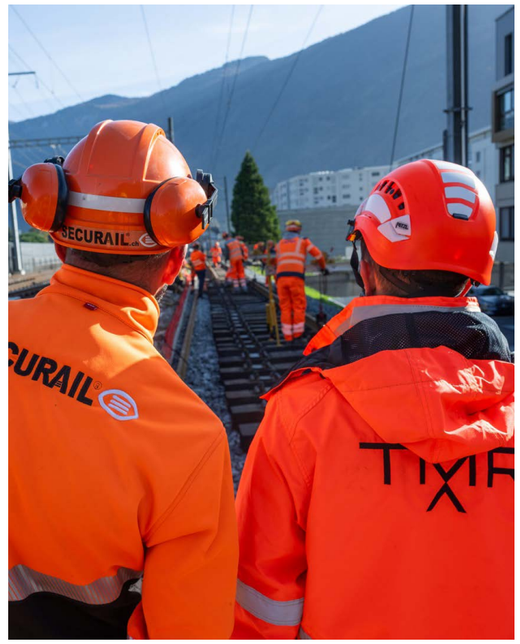
→ **Detailed superstructure design:** sizing of buffer stops, calculation of rail deflection for transition analysis and other essential technical aspects.

→ **Transformation of stations and track layouts:** restructuring of track layouts, platform alignment in accordance with DE-OCF, track spacing for overhead contact line mast placement, safety-installation slip distances and under-track crossings.

→ **Accessibility under LHand - platforms:** calculation of the precise position of platform edges, development of LHand concepts by determining minimum radii in platform areas, taking into account current and future rolling stock, with an impact analysis for each station and halt.

→ **Clearance profile:** calculation of specific gauges and analysis of encroachments within the various clearance-profile zones.

→ **Engineering structures:** inspection and monitoring of the condition of bridges, tunnels, culverts and retaining walls in the railway domain.



WORKS SUPERVISION AND CONTROL

We ensure the project is faithfully implemented on site, through to acceptance of the works.

→ **Site supervision:** local supervision of railway track works, with on-site presence to monitor progress and ensure compliance with the standards, directives and requirements of the project owner.

→ **Setting-out and installation:** provision of setting-out data, installation lists and machine files for the various phases of railway works.

→ **Quality control:** checks and tests to ensure the quality of services and the compliance of works, particularly in the event of an audit.

→ **Acceptance and as-built file:** acceptance records, update of as-built drawings and handover of the file to the project owner.



MAINTENANCE AND REHABILITATION

We extend the service life of infrastructure and modernise existing assets.

→ **Maintenance plans:** development of preventive and corrective maintenance programmes to ensure and extend the service life of railway infrastructure.

→ **Diagnosis and inspection:** surveys of track geometry, checks on rail wear and the condition of turnouts.

→ **Facility monitoring:** regular monitoring and maintenance of all TMR railway facilities and their surroundings, including engineering structures (tunnels, bridges, culverts, retaining walls).

→ **Asset management:** inventory of facilities, Dfa database and multi-year renewal planning.

→ **Rehabilitation:** design and management of renovation and modernisation projects for existing railway superstructure, with systematic optimisation of geometry during maintenance operations.

→ **Depot tracks:** optimisation of alignment and turnouts, decoupling and replacement of turnout types.



WHAT EXACTLY ARE WE DOING FOR YOU?

Beyond managing its own network, the Octofer office makes its know-how available for external mandates, serving railway clients in French-speaking Switzerland and beyond.

≈50

ONGOING PROJECTS FOR EXTERNAL CLIENTS

10+

REGULAR CLIENTS, LOYAL YEAR AFTER YEAR

Our clients range from railway companies to civil engineering firms, construction companies and industrial companies connected to the rail network.

TMR - YOUR CHOICE

COMPLETE RAILWAY EXPERTISE:
standard gauge, metre gauge and rack railway, on the plain as well as in the mountains.

THE OPERATOR'S EXPERIENCE:
we design and supervise what we operate and maintain every day.

COMMAND OF FEDERAL PROCEDURES:
PAP files and FOT / OPAPIF / RTE / DE-OCF compliance.

ADVANCED TOOLS:
TopoRail, topometric surveys, database, BIM / IFC modelling.

INDEPENDENCE AND COORDINATION:
a single point of contact able to coordinate all contractors and specialists.

PRAGMATIC AND TAILOR-MADE APPROACH:
personalised advice and offers from field survey to commissioning.

TECHNICAL AND QUALITY MONITORING:
rigour, respect for deadlines and commitments.



THEY TRUST US

Railway companies

- TPC
- LEB
- TRAVYS
- transN
- MBC

Engineering companies

- Aedit
- RS Ingénieurs
- Perret Gentil, Rey et associés SA

Construction and railway works companies

- SERSA
- Grisoni

Industrial companies and public authorities

- CIMO
- AluInfra Services
- Commune de Conthey



CONTACT

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