idis

GIVING LIFE TO TRACKS

YM IDIS | **Key Highlights**

- **Proven Track Record in Rail and Road Industry**
  9 Successfully Completed Projects, and 5 Ongoing Projects

- **More Than 10 Years of Successful Project Management Experience**

- **R&D Center**
  Since 2018

- **Cutting-Edge Technology, Design and Integration Capabilities**

- **Over 100 Highly-Skilled and Expert Staff**

- **First Private Company in Türkiye to achieve SIL-4 Certification for Railway Signaling Technology**

Signaling & Telecommunication
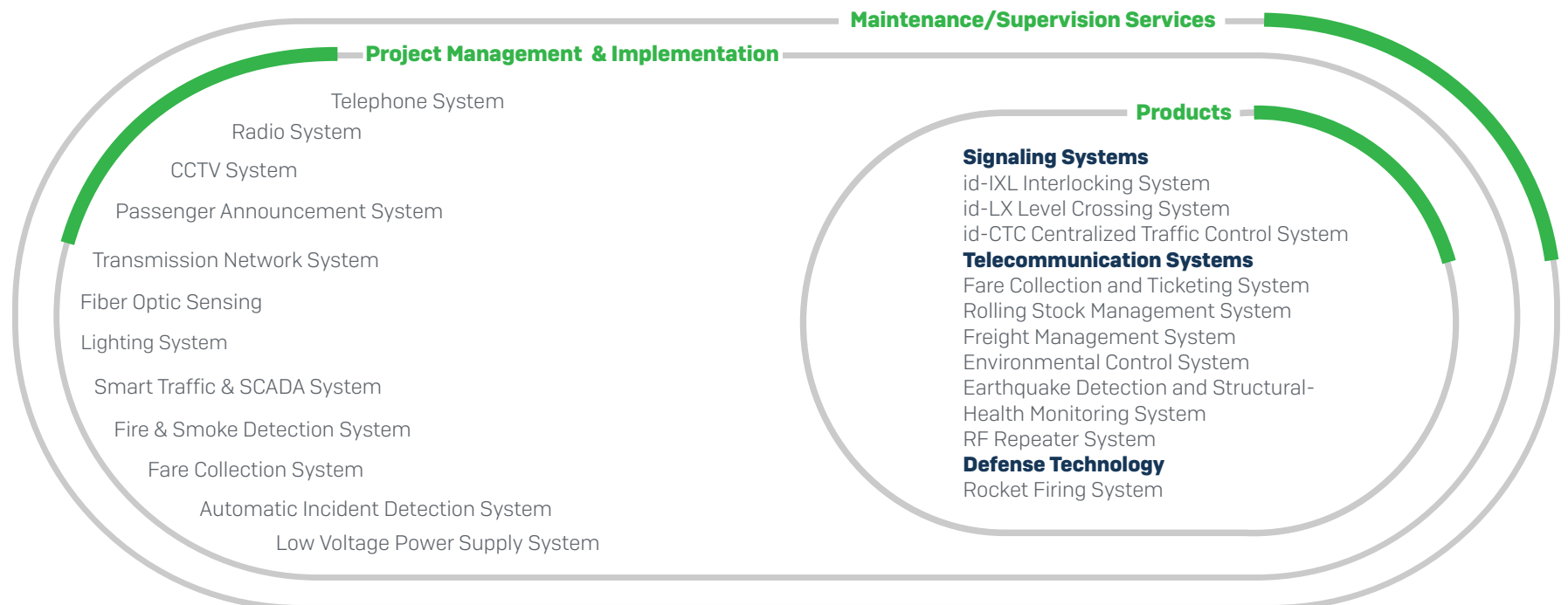
Next Generation Solutions

Sustainability

Project Management and Engineering

Comprehensive Product Portfolio

- Effective
- Innovative
- Safe and Reliable
- Environmental-Friendly

Our Engineering Solutions

Maintenance/Supervision Services

Project Management & Implementation

- Telephone System
- Radio System
- CCTV System
- Passenger Announcement System
- Transmission Network System
- Fiber Optic Sensing
- Lighting System
- Smart Traffic & SCADA System
- Fire & Smoke Detection System
- Fare Collection System
- Automatic Incident Detection System
- Low Voltage Power Supply System

Products

Signaling Systems
id-IXL Interlocking System
id-LX Level Crossing System
id-CTC Centralized Traffic Control System

Telecommunication Systems
Fare Collection and Ticketing System
Rolling Stock Management System
Freight Management System
Environmental Control System
Earthquake Detection and Structural-Health Monitoring System
RF Repeater System

Defense Technology
Rocket Firing System

id-IXL Interlocking System

- SIL-4 Certified System (EN-50126, EN-50128, EN-50129)
- Suitable for mainline, tram and depot applications
- Enhanced CTC/LCC (Central/Local Control) software
- ETCS Level 1 compliant and integrated ATS (Automatic Train Stop) solution
- Integrated Level Crossing Control

id-IXL

id-LX Level Crossing System

- SIL-4 Certified System (EN-50126, EN-50128, EN-50129)
- Independent Operation Option
- Elevating Railway Safety: ETCS Level 1, Obstacle Detection System, and CCTV Solution
- Flexible Application Choices: Half or Full Barrier Application Solutions
- Modular and Flexible System Architecture

id-LX

id-CTC Centralized Traffic Control System

- Critical Operation System for Railways
- Visualizing Train Routing for Optimal Efficiency
- Streamlined Control at your fingertips: Seamlessly Execute Commands from the Local Center
- All-in-One Functionality: Recorder, Reporter, Train Graph and Optional Traffic Management System
- User-Friendly Interface: Smart Operations

id-CTC

ECS - Alarm System

- Supporting Reliable Connections
- Easy Installation
- PLC Based System with Modular Structure
- User-friendly Interface
- Customization of Local Warning
- Centralized Monitoring for Enhanced Control

ECS

Fare Collection and Ticketing System

- Tailored Solutions at Your Fingertips: Modular, Flexible, and Configurable Software
- Managing Risks: Redundancy Servers
- Operator Workstations
- Smart ticketing solutions: QR Code, RFID Cards, and beyond
- Controlled Access with Turnstiles

TIC-IDIS

Earthquake Detection and Structural Health Monitoring System

- Early detection and warning of earthquakes that impact the railway line
- Continuously monitoring structural health of civil-structures with Redundant Electromechanical Sensors
- Quick Detection of structure availability after a disaster
- Potential hazards prevention with sensitive motion detection capability

DUS

Freight Management System

- Freight Tracking/Measuring
- Invoice Management
- Customized Payment Integration
- Dynamic User Roles
- Client Recognition System
- Various Applicable Areas

FMS

Wagon Management and Observation System

- Maintenance Tracking System
- Maintenance Pricing System
- Rolling Stock Milage Information
- Spare Part Management System
- Integration for alarm management

VAMOS

YM IDIS | **Projects**

idis

Türkiye

Alayunt-Afyon-Konya Railway Rehabilitation Project (On Going)
Application of first national **SIL-4 Certified Interlocking System id-IXL**
367 km Main Line, Total 408 km with Sidings, 17 Stations, 29 id-IXL

**1915Çanakkale Bridge Structural Health Monitoring
and Highway Lighting** (On Going)
First **LED Fittings** implementation in Türkiye, automatic incident detection
application with first real and thermal image processing cameras
1049 Sensors, 3 Data Distribution Units,
101 km Highway Lighting

Yerköy-Sivas High Speed Railway (2022)
Signal, telecom, GSM-R system , CCTV system Integration, and first
Railway Earthquake Early Warning System implementation in Türkiye
245 km Double Track, 7 Stations, ETCS Level 1 and Level 2

Bursa City Centre - Terminal (T2 Line) Tram Line Signaling (2022)
First specific application of **SIL-4 Certified id-IXL System**
Redundant CTC architecture including Automatic Route Functions,
and id-CTC timetable management
11 Stations, 1 Depot, 3 id-IXL

Bursa Emek Sehir Hastanesi LRT Line Signaling (Ongoing)
First specific application of **SIL-4 Certified id-IXL System**
Redundant CTC architecture including Automatic Route Functions,
id-CTC timetable management and Automatic Train Protection Systems
11 Stations, 2 id-IXL

TCDD Çamlık Station Signaling (2020)
First Pilot Application of Interlocking System **(id-IXL)**,Level
Crossing System **(id-LX)** and Centralized Traffic Control **(id-CTC)**
20 km Track, 1 Station, 33 different route combinations,
1 Full Barrier Level Crossing

Habras Warhead Dynamic Test Track (2018)
Fiber Optic Infrastructure, Closed Circuit Camera System **(CCTV)**,
and Speed Measurement Systems **(Doppler Radar Method and Firing)** implementation
2 km Track, Speed Measuring Capacity (36.000 km/h),
The Fastest Track (2.016 km/h)**Metro**

Istanbul T4 Tram Line Mescid-i Selam Station Signaling (2017)
First Prototype Application of the Interlocking System **(id-IXL)**
Integration with current CTC System

Istanbul Strait Road Tube Crossing (Eurasia Tunnel) (2016)
Project design, supply, installation, test & commissioning of
Two-way Radio Communication and **FM Radio Rebroadcast System**

Irmak–Karabük-Zonguldak Railway Modernization (2015)
Signal, telecom (FO Network, passenger information and announcement system,
alarm SCADA), and power systems integration
475 km Single Line, 33 Stations, ETCS Level 1

Gaziantep Sahinbey Motorway Tunnel Project (2024)
Project design, supply, installation, test & commissioning of complete power,
MEP, SCADA and LV Systems
1250 meters long, double tube

Tanzania

Dar es Salaam – Morogoro Railway (2024)
Signal, telecom and power systems integration
First Aerial Fiber Optic Network Implementation
300 km Single Track, 6 Passenger and
4 Freight Stations, ETCS Level 2

Morogoro - Makutupora Railway (2024)
Signal, telecom and power systems Integration
First Rolling Stock Management System Implementation
422 km Single Track, 8 Passenger and 5 Freight Stations, ETCS Level 2

Makutupora – Tabora Railway (Ongoing)
Signal, telecom and power systems integration
368 km Single Track, 7 Passenger and
Freight Stations, ETCS Level 2

Isaka – Tabora Railway (Ongoing)
Signal, telecom and power systems integration
165 km Single Track, 3 Passenger and
1 Freight Stations, ETCS Level 2

Mwanza – Tabora Railway (Ongoing)
Ticketing and Fare Collection System
Freight Management System
341 km Single Track, 10 Passenger and
4 Freight Stations, ETCS Level 2

Algeria

Bir Touta – Zeralda Railway (2018)
Signal, telecom and power
systems integration
22 km Double Track, 4 Stations, ETCS Level 1

Zambia

Livingstone - Chingola Railway (On Going)
Survey and design works of GSM-R, signal, telecom,
power, and **On Board** systems
40 Stations, 67 Technical Buildings

Ethiopia

Awash – Weldia – Hara Gebeya Railway (2022)
Signal, telecom, low voltage, level crossings, and
tunnel radio coverage system operations
400 km Track, 10 Stations