



World Cup 2022 Qatar

“In gara con Noi” - Tender Lab Bari

April 10, 2018



GROUP HIGHLIGHTS

INTRODUCING SIRT

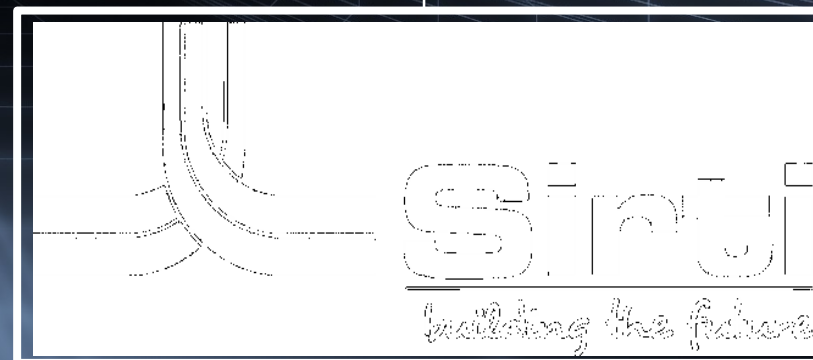


K Equity Italy 2 S.a.r.l.

100%

PS Reti S.p.A.

100%



4 BUSINESS UNITS

INTRODUCING SIRT



TELCO INFRASTRUCTURES

End-to-end services for access networks, Ultra Broadband, transmission, transport and Broadcast networks:

- Consultancy
- Design
- Realization
- Provisioning
- Delivery
- Assurance



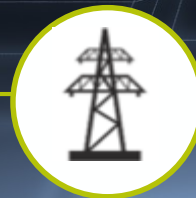
TRANSPORTATION

- Signalling systems
- Telecommunication networks for rail and urban transport
- Electric traction
- Traffic Control
- Video surveillance
- Security systems for tunnels



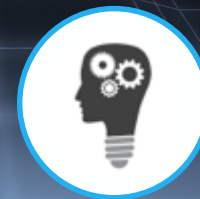
ENERGY & UTILITIES

- High Voltage networks
- Medium Voltage Networks
- Low Voltage networks
- Renewables
- Energy efficiency
- Energy generation plants



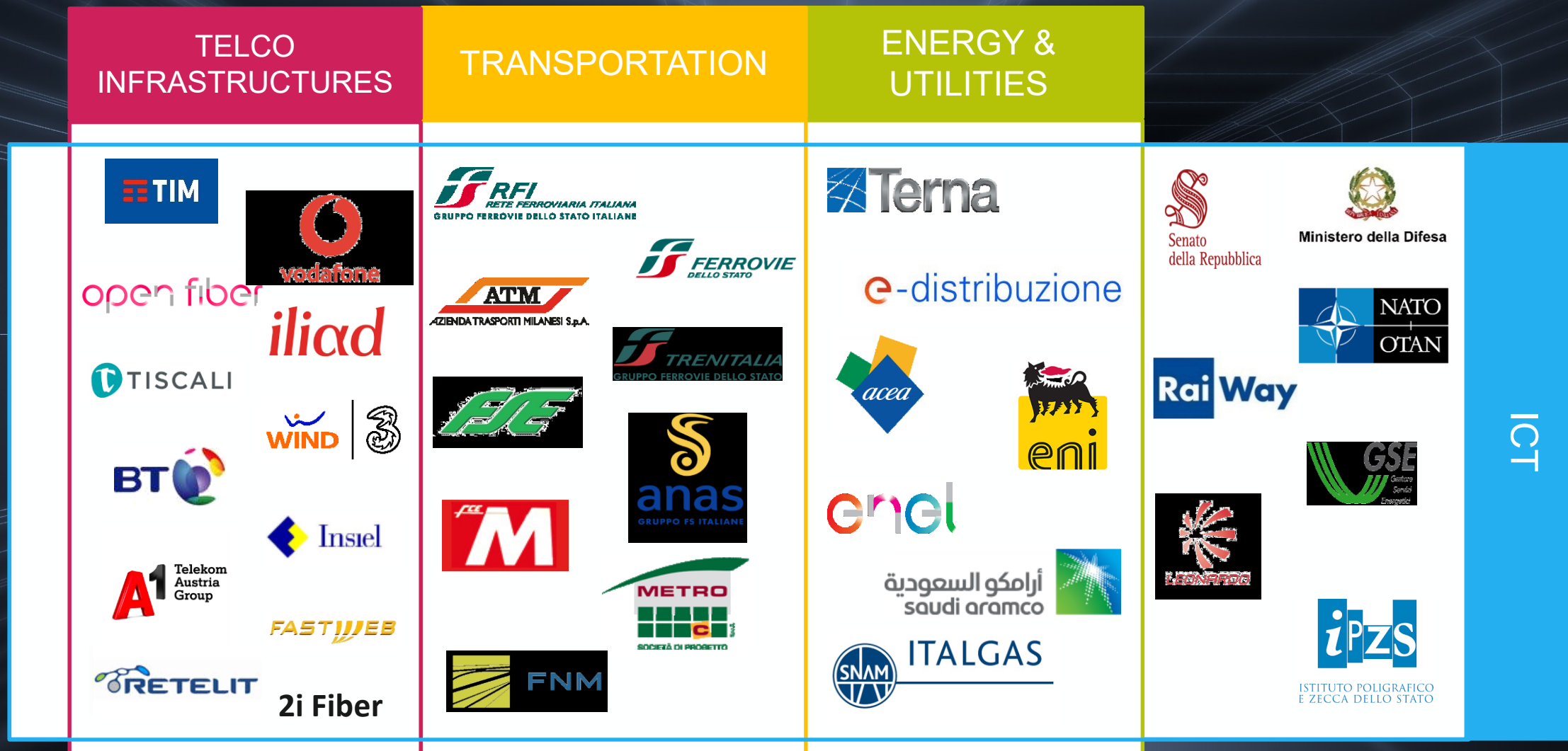
ICT

- Network transformation
- Cloud, Edge Computing
- System Integration
- OSS engineering
- Data Center solutions
- SCADA
- Cyber Security
- Smart Solutions & IoT
- Managed Services (NOC, SOC)



MAIN CLIENTS

INTRODUCING SIRT



INNOVATION IN PROCESSES, TOOLS AND METHODOLOGIES

OFFERTA, MERCATI, COMPETIZIONE



178 PATENTS

**PARTNERSHIP WITH THE
BEST ITALIAN
UNIVERSITIES**

**INTERNATIONAL
TECHNOLOGICAL
PARTNERSHIPS**

OPEN INNOVATION

OneDayDig

A mobile construction site for networks to increase productivity and drastically reduce the environmental and social impact of the work. Recommended as best practice by ITU (UN Agency for Telecommunications Standardization)



VIRTUAL FACTORY

Dynamic optimization of the daily activity plan in the field (+6000 tt / day) using artificial intelligence to achieve maximum performance

3D GEORADAR REALTIME

A geo-radar to allow technicians to see through the road surface. Artificial vision automatically detects underground obstacles.



AUGMENTED OPERATIONS

Operating model that equips our technicians with collaborative systems for remote assistance enabled to augmented reality. In this way, in the case of complex interventions, technicians can be supported by a pool of remote experts

BIG DATA ANALYTICS AND PREDICTIVE MAINTENANCE

System for identifying the exact position of faults on telecommunications networks by using Big Data. The technician intervenes directly on the fault site reducing time and distance traveled



MARKET INNOVATIONS

OFFERTA, MERCATI, COMPETIZIONE



178 PATENTS

**PARTNERSHIP WITH THE
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**INTERNATIONAL
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OPEN INNOVATION

RAILWAYS SIGNALLING INNOVATIVE PRODUCTS

A digital system for the coordination and speeding up of trains able to coordinate the traffic of trains at the highest levels of safety.



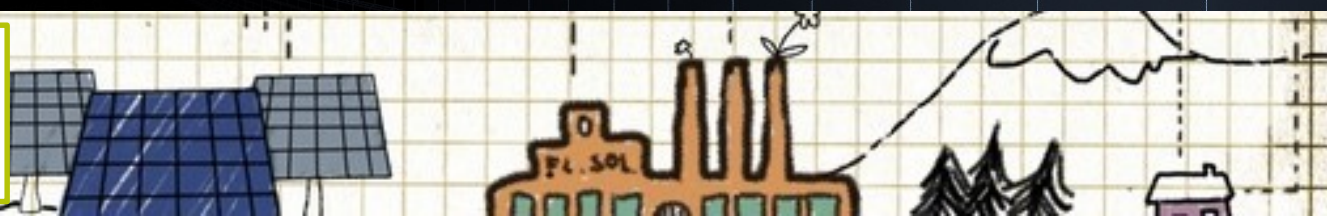
SMART INFRASTRUCTURES

A system to measure the level of stability of civil infrastructures: bridges, tunnels, buildings, through IoT sensors and Machine learning platforms



SMART METERING E SMART GRID

Solutions for the active monitoring of energy consumption and for the remote automation of MV / LV distribution networks



SDN & NFV

Systems for the automation and orchestration of networks with virtualization technologies



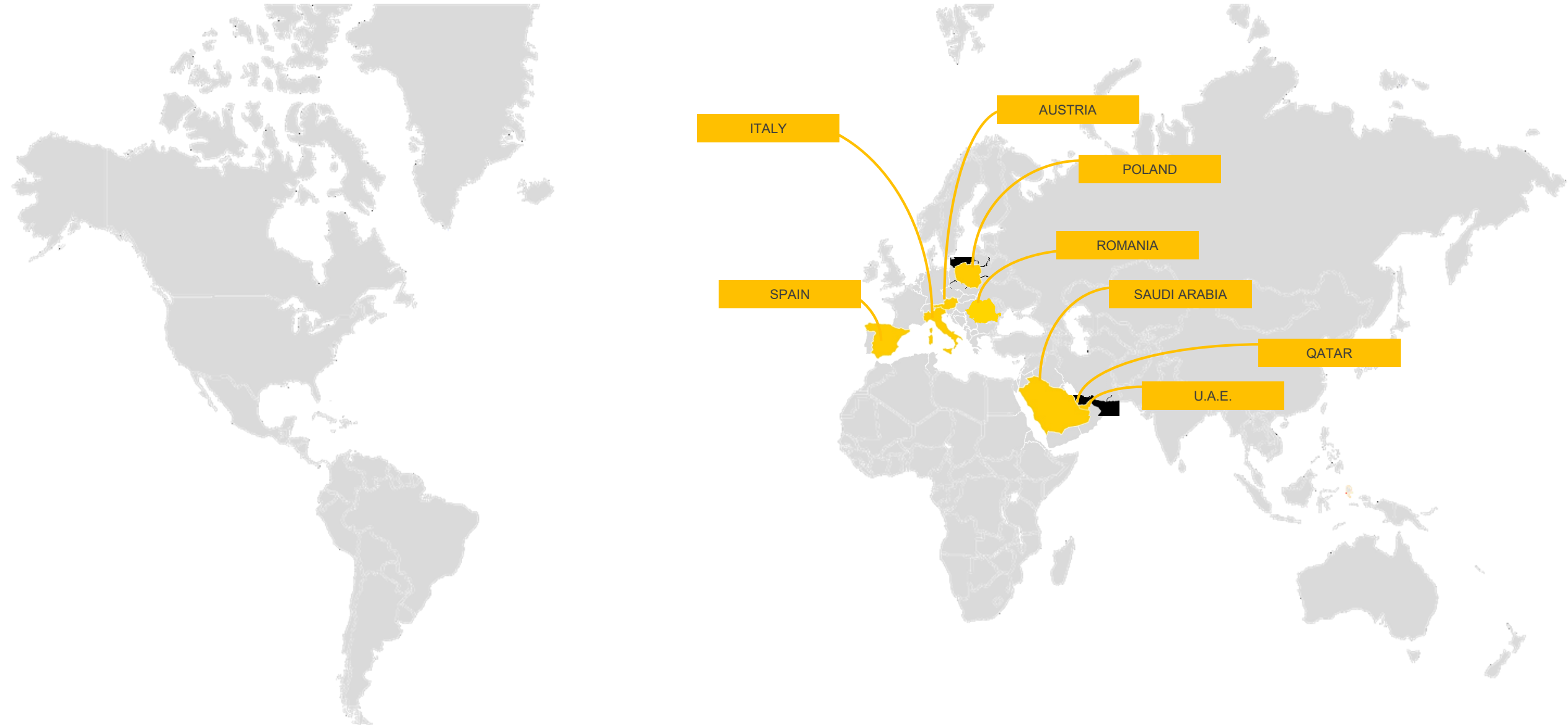
CYBER SECURITY

Advanced solutions for infrastructural and application computer security



OUR CURRENT TERRITORIAL PRESENCE

INTERNATIONAL PRESENCE



INTERNATIONALIZATION MODEL



ONE DIGITAL PLATFORM

LOCAL WORKFORCE

GOVERNANCE

PROCESSES



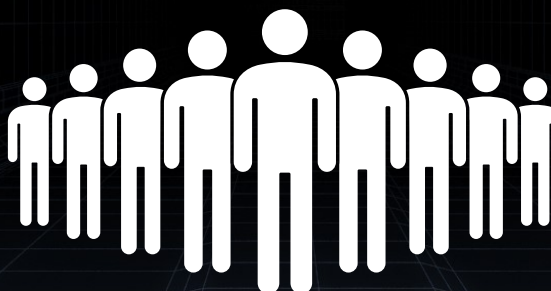
SUPPORT
SYSTEMS



DATA



SHARED
KNOWLEDGE



- **Digital Platform** makes know how available and supports field activities with systems and best practices.
- Information, systems and processes together define a **replicable company model** for different markets and territories

- **Workforce** is hired locally, trained and equipped by our best specialized technicians

- **Governance** of projects relies on our expert project managers, work directors and engineers

OUR PRESENCE IN QATAR: HIGHLIGHTS

PRESENCE IN QATAR



Sirti MENA for Projects w.l.l

- Qatari Company, CR Number 60018
- Established in Qatar in 2013
- Owned by Sirti (49%) and Qatari Partner (51%)

Know How

- Telecommunications Wired and Wireless
- System Integration
- Data Centre construction
- SCADA systems, Physical security, ITS, IoT

Personnel

- 20 employees, 12 Telecom engineers
- Established partners network

Qualified System Integrator in Qatar

- Validated by Vodafone, Mol, Ashghal, Ooredoo, Qatar Rail



Telecommunication

- Architectures and Technologies for Radio Networks INDOOR OUTDOOR: TETRA, 3G, 4G, LTE data and Voice
- FTTX Network
- Networks Transformation

SMART SOLUTIONS & IOT

- IoT Networks
- Smart Cities Solutions
- Smart Mobility
- Smart Infrastructures

SYSTEM INTEGRATION

- Intelligent Traffic System
- Integrated Systems
- Building Management System
- Security and Special Systems
- SCADA Systems



- Sirti realizes Indoor Coverage projects (Indoor Building Solution) with the major local operators
- Turnkey design and implementation of a technological site for the city of Doha
- Turnkey design and implementation of FTTx network for campus and new areas
- Technologies:
 - ❖ **TETRA/LTE indoor and outdoor system**
 - ❖ **Campus fiber optic network**
 - ❖ **Ip system / MPLS**
 - ❖ **Data Centers**

OUR PRESENCE IN QATAR: REFERENCES

PRESENCE IN QATAR



TETRA/LTE



MSHEIREB DOWNTOWN DOHA

FIBER OPTICS



NORTH GATE MALL

TECHNOLOGY PLANTS



MWANI FTTx



ABDUL WAHAB TOWER



PREMIER INN HOTEL



MSHEIREB FTTx



Telecommunication

- Architectures and Technologies for Radio Networks, TETRA, 3G, 4G, LTE data and Voice
- FTTX Network
- Infrastructures

Information Technology

- Software & System Integration
- Smart Cities
- Workforce/workflow management
- ICT Infrastructures (HW/Storage/Virtualization ,ecc)

Railway System

- Signaling for Railways
- TLC and GSM-R Systems
- Power lines
- Contact lines

Energy

- Power Lines, LV, MV, Power Plants

Technological System

- Intelligent Traffic System
- Integrated Systems
- Building Management System
- Security and Special Systems
- SCADA Systems