

SOLITON
Telmec
Building Networks For Life

TELECOMUNICATION ENGINEERING

BETTER DELIVERED. BETTER ASSURED

COMPANY PROFILE



Building Networks For Life



WHO WE ARE

Soliton Telmec is the leading fiber infrastructure company in East African region providing end to end services in network planning and design, construction, Maintenance, and Service Level Agreement for Large scale Telecommunication networks.

Soliton Telmec Uganda is a subsidiary of Soliton Telmec Limited with headquarters in Nairobi, Kenya. Soliton Telmec is registered in Rwanda, Tanzania and Djubouti

Through building, delivering and supporting
lead-edge communication infrastructure of any complexity, Soliton is focused on enabling individuals, businesses and communities access telecommunication services

Our Vision

To connect every household, settlement, village, town and city in Africa to the global network for sustainable livelihoods.

Our Mission

We design, build, operate and maintain telecommunications infrastructure & systems, using state-of-the-art equipment and machinery. Through practiced based research and innovation, we apply appropriatetechnologiesinlinewithindustry best practices; without compromising the integrity of the environment.

Our Core Values

We're passionate about:
*Technology
*Integrity
*Innovation
*Success
*Teamwork



Our Approach

Soliton Telmec advances regional excellence in Telecommunication Engineering by ensuring world leading connectivity, creating platforms for collaboration and developing unique solutions for the sector.

We are committed to assisting our customers efficiently and effectively. Building networks for life is our guarantee embodied in 3 dynamic business-building pillars:

1. Delivering Africa's Telecommunication Network
2. Enabling a creative, connected work environment
3. Building Services Capability

We are committed to unlocking opportunities for all Africans.

Our Achievements

Soliton Telmec has successfully delivered in planning, design, construction, maintenance & support of long haul projects, metro fiber connectivity and FTTx solutions including:

- Completion of over 6,000 kms of long distance backbone in Kenya and Uganda
- Deployment of over 7,000 kms metro networks across Kenya and Uganda
- Deployment of FTTH Infrastructure in Nairobi and Mombasa, passing over 12,000 homes and connecting 7,000 houses
- Maintenance, monitoring and support of over 3500 km of fiber infrastructure across Kenya and Uganda
- Deployment of GPON technology to over 160 government institutions in Uganda
- Through partnership with RENU (Research Education Network of Uganda) we have provided connectivity to over 10 universities
- Backhauling capacity for over 8 major telecoms and ISPs

Our Legacy of Firsts

In addition to being the first entity within the region to apply non-intrusive micro-tunneling method in fiber construction, we are also the first to implement:

- Full ITU-T fiber characterization standard testing
- 8-hour Service Level Agreement in fiber maintenance (2006)
- 6-hour SLA (2010)
- Automated Fiber Monitoring Solutions (2010)
- 4-hour SLA through the use of automated testing and monitoring solutions (2011)
- Enterprise Dark Fiber Solution for Fiber Channel SANs
- Standards-based ‘open access’ shared infrastructure
- Micro tunneling technique (Uganda 2013)
- Micro duct deployment (Uganda 2016)

From upgrading network technology to rolling out new products and services, industry leaders choose us to help them work better and work differently.

HR Policy

We recruit, select, develop and retain top talent in order to deliver our promise to clients.

Our team of experts comprises of young, dynamic and talented employees. Through strategic partnerships with leading institutions and universities, first class students are recommended for internship and training programs. These initiatives provide employment opportunities for 100s. Today, 90% of our personnel & experts have been mentored and coached through these partnerships.

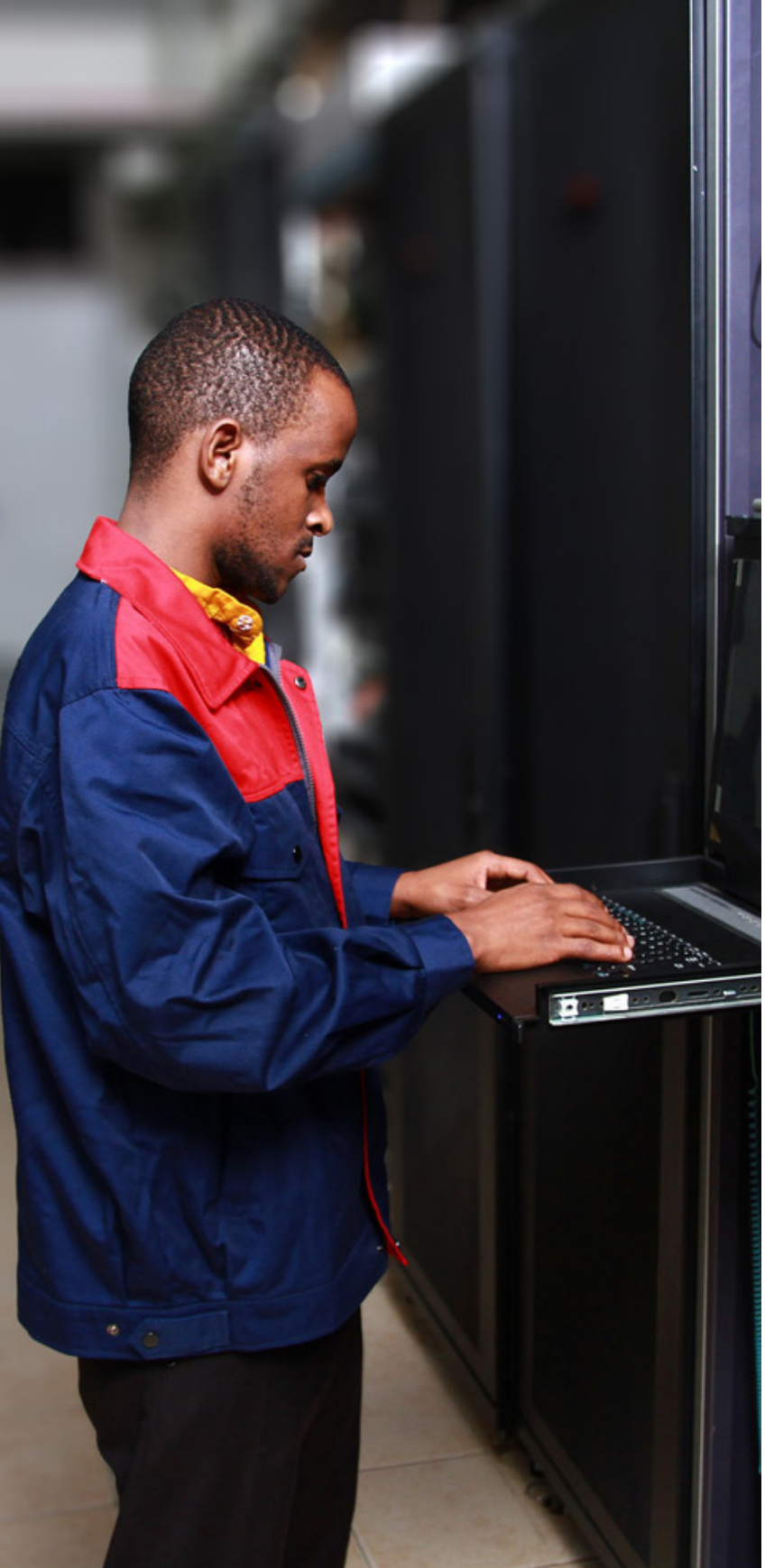
Corporate Social Responsibility

Soliton is a responsible member of the society as an investor, employer and consumer; this is central to our corporate policy and strategy. We ensure all stakeholders are committed to Corporate Social Responsibility.

- Refurbishment of the Kampala Walkway
- Donation of safety equipment to the Kampala
- City Council Authority KCCA
- Helping support the Kampala Rotary Club
- Mentorship and coaching of graduates from
- major universities
- Supporting digital literacy programs in rural
- Kenya.

Occupational Health & Safety Policy

To us, safety comes first. We equip all our staff and everyone involved in our engagement with personal Protective Equipment (PPEs) and First Aid kits for field teams.



WHAT WE DO

Soliton Telmec is a local Kenyan company headquartered in Nairobi, with a presence in Uganda, Tanzania, Rwanda and Djibouti. Operating in the entire East African region, we work across the telecommunication spectrum from need analysis, conceptual design to maintenance and service connection.

Through building, delivering and supporting lead-edge communication infrastructure of any complexity, Soliton is focused on enabling individuals, businesses and communities access telecommunication services

Our Services At A Glance

- Design, rollout and maintenance of fiber optic networks
- Data center development and transmission systems
- Data center services: Managed services, disaster recovery & collocation
- Unified communication and networking services
- Information systems development, implementation and support
- CCTV designs, deployment and maintenance services.
- Service assurance systems and solutions
- Simulation laboratory and Training Services
- NOC (Network Operator Centre) Services in Nairobi and Uganda
- Authorized Sales and Support Centre for: EXFO, Fujikura, Juniper, Fiber home, Corning & IBM solutions.
- Supply and Installation of Datacom and IT equipment e.g. switches, routers, racks etc
- IT services: LAN, WAN connectivity for enterprises
- Turnkey managed services of communication infrastructure:
  - Leased Capacity
  - Back hauling
  - Internet Services:- Internet connectivity, DNS and smart host services
  - VPN solutions for both private and public
  - Dark Fiber
  - Collocation Services

NETWORK PLANNING & DESIGN

We develop customized solutions including in-house lab training for IP, SDH, DWDM, Access Network Systems, Simulation and Testing for Carriers & Service Providers.

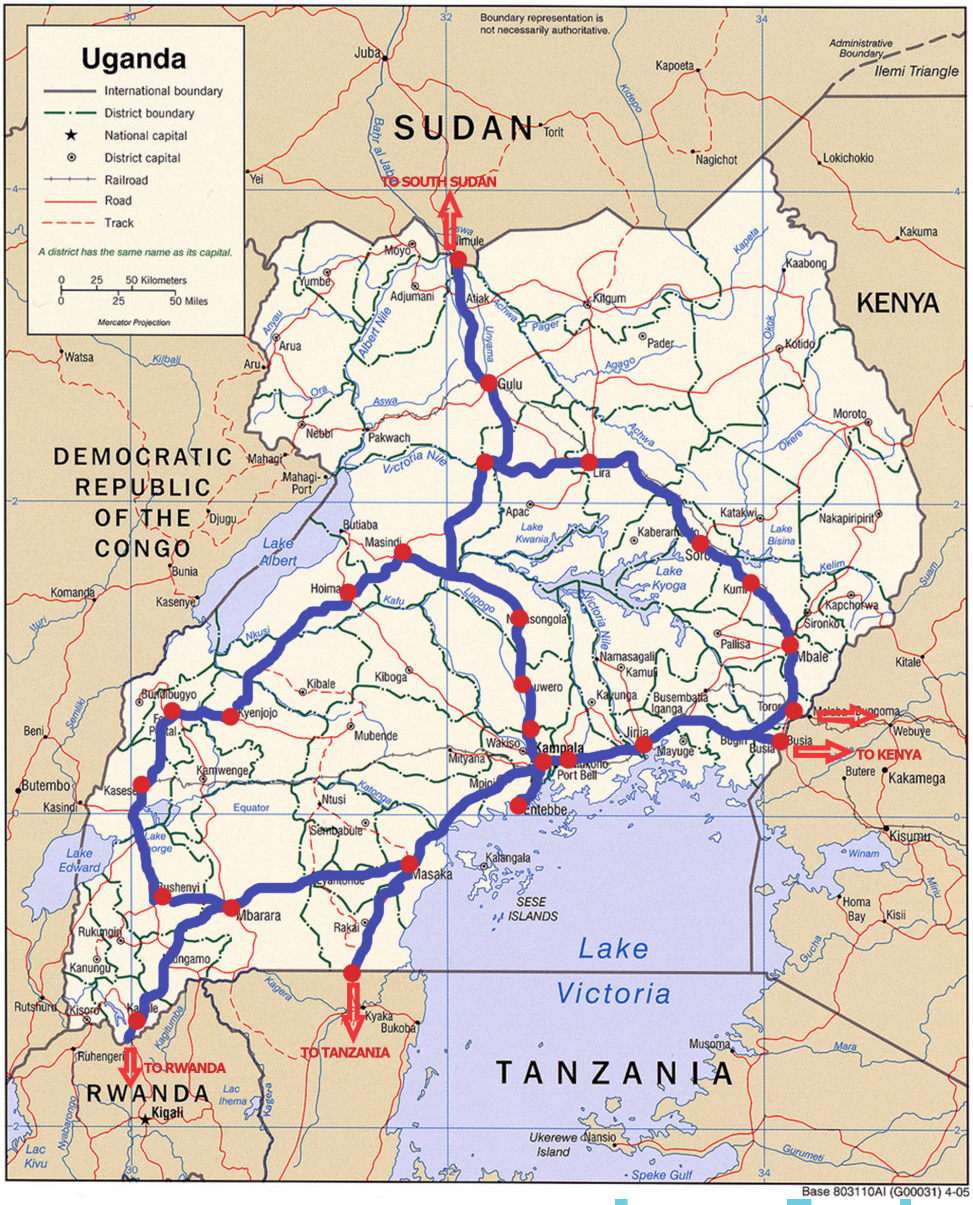
The demand for access to ICT services is growing at a phenomenal rate. Operators today are faced with demand for ever-higher bandwidth, increased subscriber numbers and falling Average Revenue Per User (ARPU). It is therefore urgent to reduce capital and operational costs while improving user experience for high bandwidth applications. In the wireless space, this calls for 3G/4G-LTE with fiber backhaul and in the wire-line space, FTTB/FTTH/FTTT supported by an all IP network infrastructure.

We therefore build, manage and support telecommunication networks. With the help of existing telecommunication maps, we do survey, design and engage in consultation works for telco operators, banking, corporate and government entities.

We build mission critical networks with route diversities. Our resilient designs coupled with our fast MTTRs have ensured that our customers experience a 99.9% service uptime.



Fiber Construction and Maintenance Footprint



KEY: Blue — Active Routes



Infrastructure Deployment

Today, governments are required to provide a variety of services. With faster communication services to their citizens and greater connectivity worldwide, governments are facing potentially new threats and challenges.

Efficient services must be delivered in an environment of budget constraints. It is no longer feasible to continuously raise taxes. Governments in the region are faced with evolving democratic realities where increasingly informed citizens now demand the same level of efficiency they get from private sector enterprises.

Disaster Recovery and Business Continuity, Server consolidation and Cloud Services, Shared Services, Converged Communications, all-IP network - the need for high bandwidth, low latency secure network has never been greater

We provide solutions across key technology areas including:

- Data Center Solutions, Servers and Storage Area Networks
- Wide Area Networks
- Dark Fiber Connectivity for power users and Disaster Recovery Site Connectivity
- Local Area Network Deployment
- Unified Communication Solutions

Leading banks and enterprises now enjoy our high quality connectivity solution including Dark Fiber Connectivity, and IP/MPLS solutions.

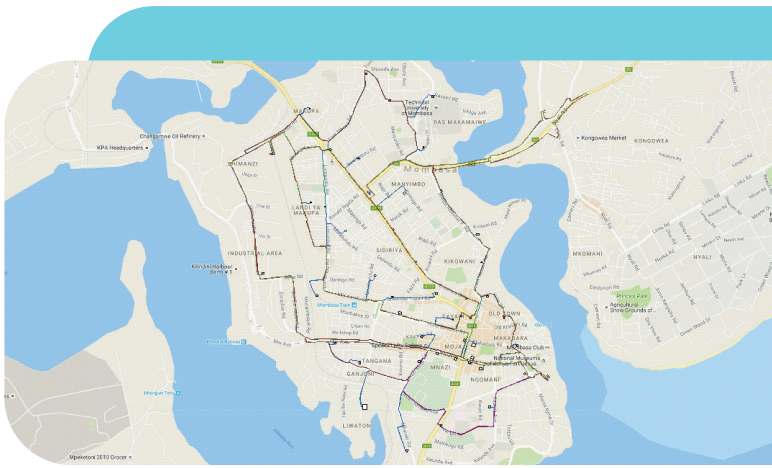
Through our partnership with world leading companies such as IBM, Ekinops and Juniper Networks, we offer solutions in Local and Wide Area Networks as well as Data Center Solutions including a wide range of servers and storage.

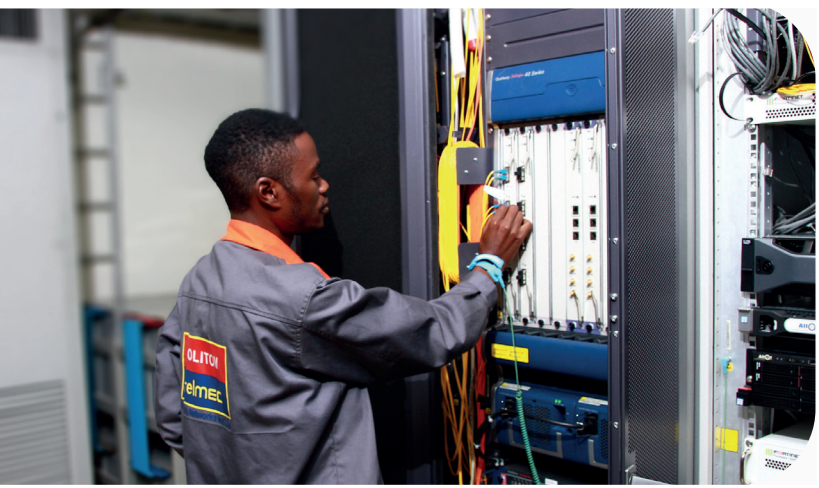
Military barracks and large enterprises covering huge campuses can realize significant cost savings through the use of optical networking technologies as opposed to traditional Local Area Network Designs.


KBH
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Network Documentation

We engage in proper presentation of cable routes, devices used, connection points and fiber distribution procedures. We develop network documentation using state of the art GIS technologies which have the ability to capture, store, analyze, manage and present data that refers to linked location/position in an easy to query format.





Managed Services

We have developed a unique solution for developers, home owners and government entities with vast deployment of fiber optic networks. From the standards-based open access optical fiber infrastructure to turnkey managed infrastructure network to enable businesses and customers occupying your developments enjoy modern services.

Get in touch with Soliton Telmec today for a solution geared towards your unique needs.

Support & Maintenance Services

We have a 24/7 Network Operations Center to support carriers' fiber optic networks. Our support services are backed by a strict Service Level Agreement (SLA). We are the first contractor in Kenya to implement a 24-hour network monitoring and support center.

Guaranteed MTTR through our automated fibre monitoring tools backed by a 24/7 NOC to support our customers' fibre optic networks.



Network Testing and Measurement tools

Test equipment from OTDRs to centralized Network Quality Monitoring Systems and Handheld protocol analysers to a centralized Quality of Service, Soliton is well placed to be with you in every step to improving your customers quality of experience.

Through our partners, EXFO and Fujikura, we offer various optical testing instruments and system configurations to help you reduce support and maintenance related expenses. Some of the available configurations and options include:

- Dark Fibre testing and monitoring for any fibre cable network.
- In-service, in-band CWDM testing and monitoring.
- In-service, out-of-band 1625 nm or 1650 nm testing and monitoring.
- Stand-alone, fully autonomous test equipment.
- Remotely controlled optical switch unit.
- Distributed client-server application with central management.
- Reporting engine based on alarm duration and fibre downtime.
- Network documentation on GIS platform with fault-on-map.
- Integration with fault or work ticket management system.
- Integration with network inventory/GIS solution.
- Integration with BSS/OSS.
- Fujikura Splicing machines.

We are the sole authorized Sales and Service Centre for both Fujikura and EXFO equipment in the East Africa region.





TELECOMMUNICATIONS FOR OIL & GAS

Our experienced team designs, constructs and maintains network solutions to provide high-integrity telecommunications.

Our services range from feasibility studies to full turnkey solutions to network maintenance. We ensure that delivered systems meet customer requirements for system performance, dependability and low operating life cycle costs.



On Shore Communication Solutions

Turnkey telecommunication solutions covering needs for onshore communication plant operations ensuring reliable communication networks within the plant.

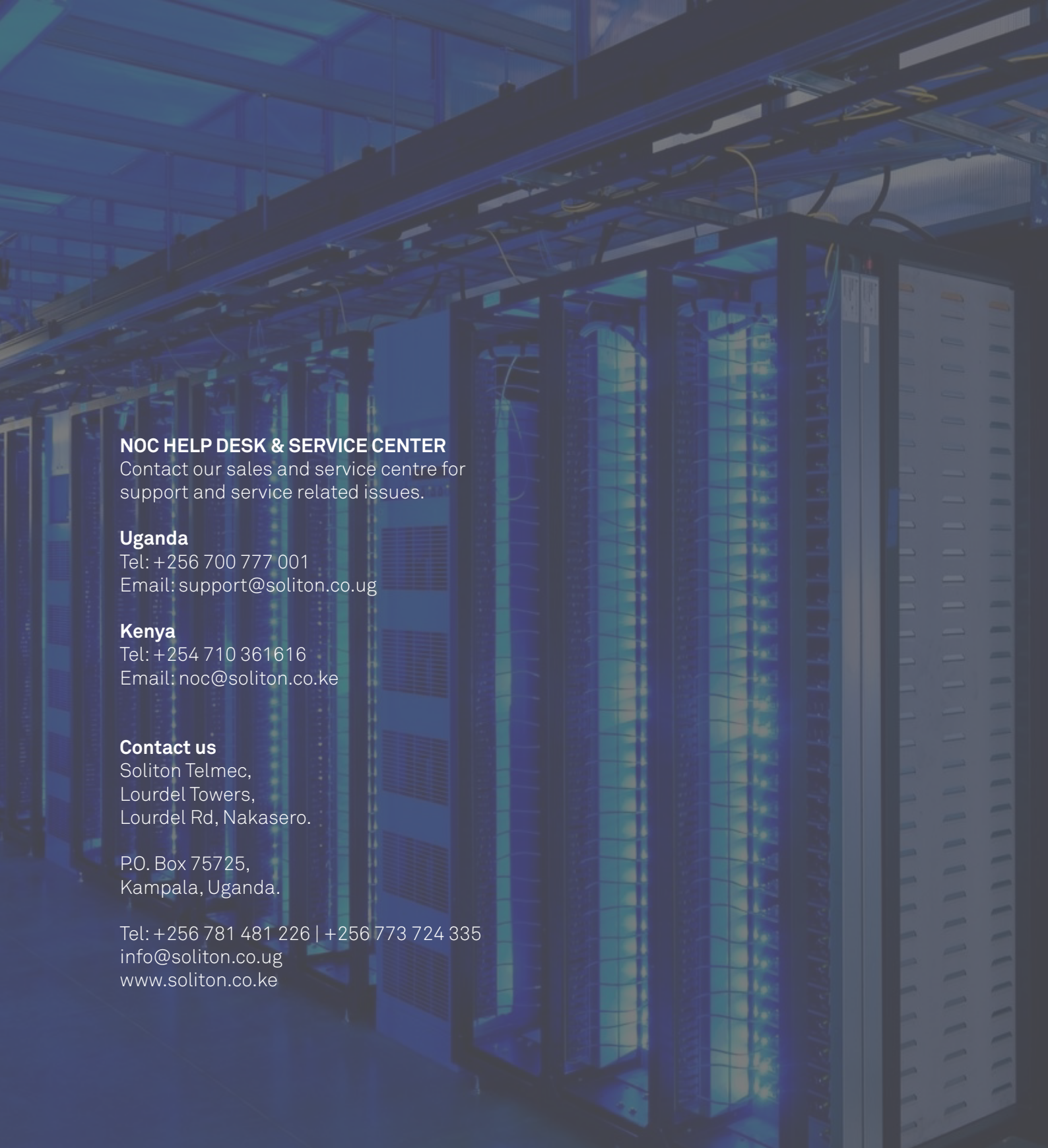
Pipeline transport and network lines

Turnkey telecommunication solutions covering needs for onshore communication plant operations ensuring reliable communication networks within the plant.

Solutions

We engage in proper presentation of cable routes, devices used, connection points and fiber distribution procedures. We develop network documentation using state of the art GIS technologies which have the ability to capture, store, analyze, manage and present data that refers to linked location/position in an easy to query format.





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