



MESH TECHNOLOGIES

Empowering Businesses Through Technology

Software | IT Infrastructure | Telecom | Cybersecurity | Power & Energy



House-77, Level-2, Road-2, Block - A, Bashundhara R/A. Dhaka-1229, Bangladesh
Phone : +880 9678-771764, info@messtechnologies.net, www.messtechnologies.net

AT A GLANCE

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Name of Company	Mesh Technologies Limited
Year Established	2010
Business Function	Custom Software IT Infrastructure Telecom Cybersecurity Power & Energy
Office Address	Corporate : House # 77, Level # 2. Road # 02, Block # A, Bashundhara R/A, Dhaka-1229, Bangladesh Registered Office: 19/1, BCC Road, Wari, Dhaka-1203, Bangladesh
Members of	Bangladesh Association of Software & Information Services (BASIS)
ISO Certification	ISO 9001:2015 & 27001:2022 Certified
Total Employees	300+ Employees
Trade License No	TRAD/DSCC/281052/2019
Incorporation No	C-83489/10
TIN Certificate No	779745334582
VAT Certificate No	000776984-0301
Company Email	info@messtechnologies.net
Contact Number	+880 9678-771764
Website Address	www.messtechnologies.net

ABOUT US

-  Founded in 2010
-  Multidisciplinary technology company
-  Serving government & corporate sectors

-  Specialized in:
 - Software Development
 - IT Infrastructure
 - Telecom Engineering
 - Cybersecurity
 - Power & Energy

 Trusted by Bangladesh's largest operators & institutions



Our Mission & Vision

Driving Innovation With Purpose



Mission:

To empower businesses with scalable, customized, and future-ready technology solutions that enable growth and operational excellence.



Vision:

To be a leading technology partner across South Asia, delivering innovative, reliable, and cost-effective solutions.

Our Core Services

MTL delivers integrated solutions that empower businesses to operate smarter, faster, and more securely.

-  Software Solutions
-  IT Infrastructure
-  Cybersecurity Services
-  Telecommunication
-  Power & Energy Solutions



Comprehensive solutions under one roof — driving digital transformation across industries.

Software Solutions

MTL – Delivering Innovative & Scalable Software Solutions for Business Excellence

Key Services:

-  ERP Solutions & Customization
-  Custom Software Development
-  Mobile App Development
-  Hospital Management System
-  Education Management System



MTL delivers scalable and customized software solutions designed to empower industries with efficiency and innovation.

Cybersecurity Services

MTL – Comprehensive Cyber Defense for a Secure Future

Services Offered:

-  Cloud Security
-  Managed Security Services
-  Risk Assessment & Compliance
-  Consulting & Threat Management



MTL protects businesses with end-to-end cybersecurity solutions, ensuring resilience, compliance, and digital trust.

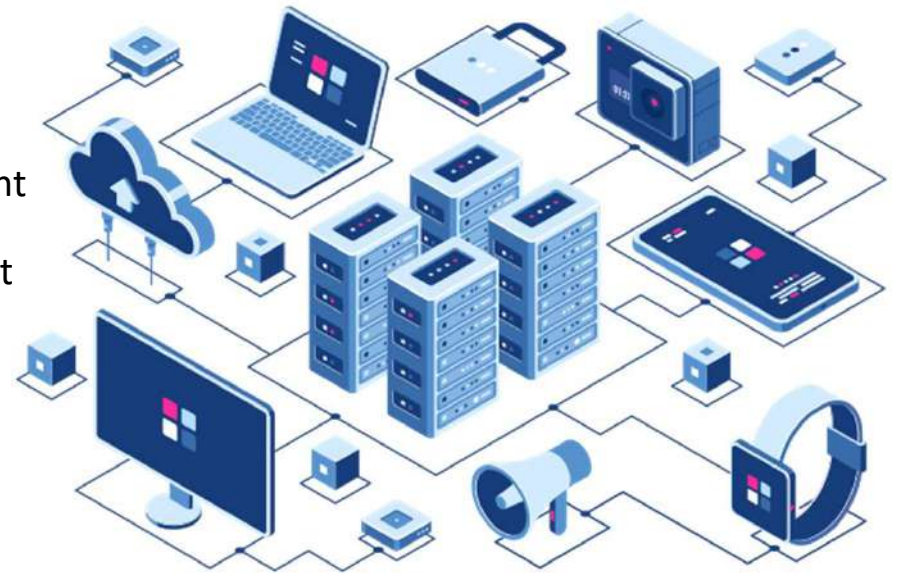
IT Infrastructure

MTL – Smart Infrastructure for Smart Operations



Key Services:

-  Data Center Design & Management
-  Cloud Deployment & Management
-  Enterprise Network Setup
-  Infrastructure Maintenance
-  Disaster Recovery Planning



Building reliable, scalable, and future-ready infrastructure to power digital transformation.

Telecommunication Solutions

MTL – Engineering Bangladesh's Telecom Backbone

Key Offerings:

-  SBC Solutions
-  Tower Fabrication & Site Construction
-  Power & Battery Integration
-  BTS & Microwave Installation
-  Import, Supply & Delivery of Installation Materials
-  Optical Fiber Network Deployment
-  Workshop-based Material Fabrication



MTL powers telecom growth with end-to-end infrastructure, installation, and maintenance expertise.

Power & Energy Solutions

Empowering Infrastructure with Reliable Energy Solutions

Power Systems Integration

- Tailored power solutions for telecom, data centers, and critical facilities
- High-efficiency battery systems and backup solutions
- Hybrid energy support for remote installations

Energy Solutions & Deployment

- End-to-end support for power equipment installation
- Load calculation, system sizing, and energy audit
- Renewable & backup power configurations (Solar + Generator + Battery)

Turnkey Project Capabilities

- Power setup for telecom BTS, MW towers, and network nodes
- Equipment delivery, civil construction, and electrical installation
- DC Power Systems, AC Backup Units, and Hybrid Controllers



Telecom Services – Installation & Maintenance

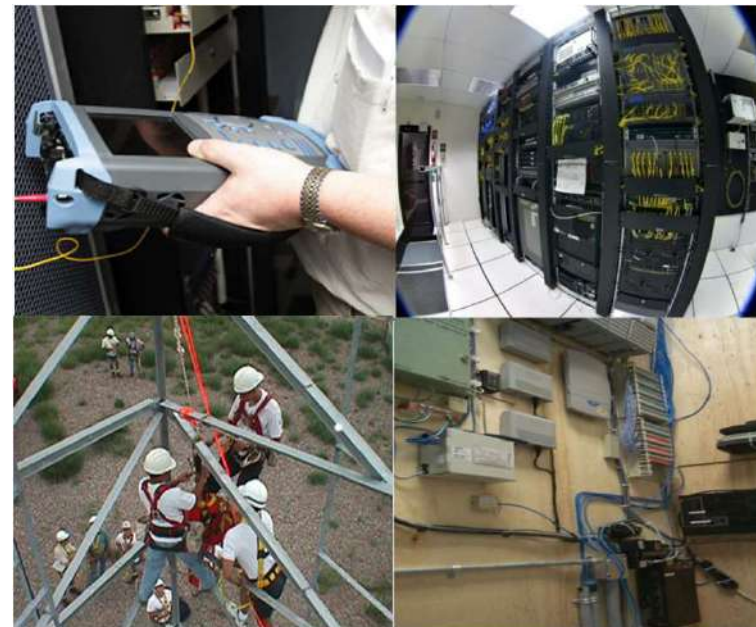
Nationwide turnkey consulting, installation, maintenance, and restoration for broadband, fiber optics, wireless, copper, coax, and hybrid networks — delivering cost-efficient, high-quality services with local expertise.

Core Services

- BTS Installation, Testing & Commissioning
- Microwave (MW) Installation, Testing & Commissioning
- Path LoS Survey & Reporting
- Switching Station, Battery & Rectifier Setup (BSC & BTS)
- Antenna System Adjustments & Coaxial Line Repairs
- RF Optimization & Site Modifications
- Microwave Path Adjustment & Restoration

Additional Capabilities

- Generator & Power Plant Maintenance
- Facilities Management & Emergency Restoration
- Lease & Zoning Modifications
- Property Management
- Fitting & Fixing: Microwave & GSM Antennas, Cable Ladders, etc.



Indoor & Outdoor Compilation Activities

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OUR CONFIDENCE AND EXPERTISE

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Strengths

- **45,000+ successful projects** completed across Bangladesh
- **300+ skilled professionals** with proven track record
- **4 warehouses nationwide** – Dhaka, Natore, Rangpur & Chattogram
- Dedicated **transportation fleet** for site-to-warehouse logistics

Telecom Installation Experience

- BTS Installations: **12,650+**
- MW Installations: **8,700+**
- Optical Fiber Cable Terminations: MUX ↔ ODF, LTU ↔ ODF, ODF ↔ MMU
- E1 Mapping (Cascade & Standalone)
- BTS Power Maintenance
- Equipment Surveys: **5,200+**
- Site Surveys, Evaluation & Drive Testing: **1,500+**
- LOS & TSS Surveys: **12,000+**
- Tower Manufacturing & Installation: **7,000+**

Additional Capabilities

- Core Networking / Switching (**20+ sites**)
- Multiplexer Deployment (**30+ units**)
- Site Acquisition (**200+ locations**)
- Vehicle Management (**25 units**)
- Warehouse Management (**3 sites**)
- AC & Generator: Supply, Installation & Maintenance
- Upgradation of Baseline & Modules

Engineering and Construction

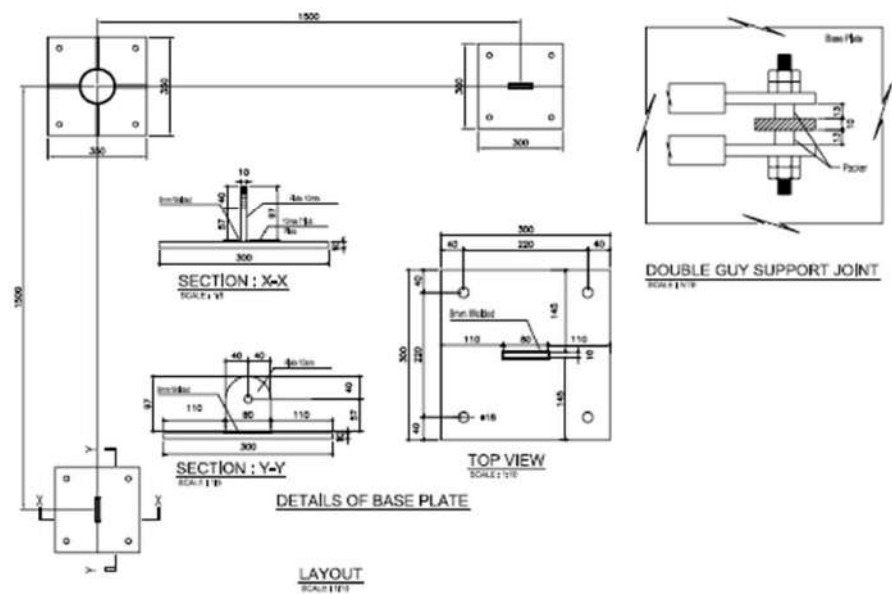
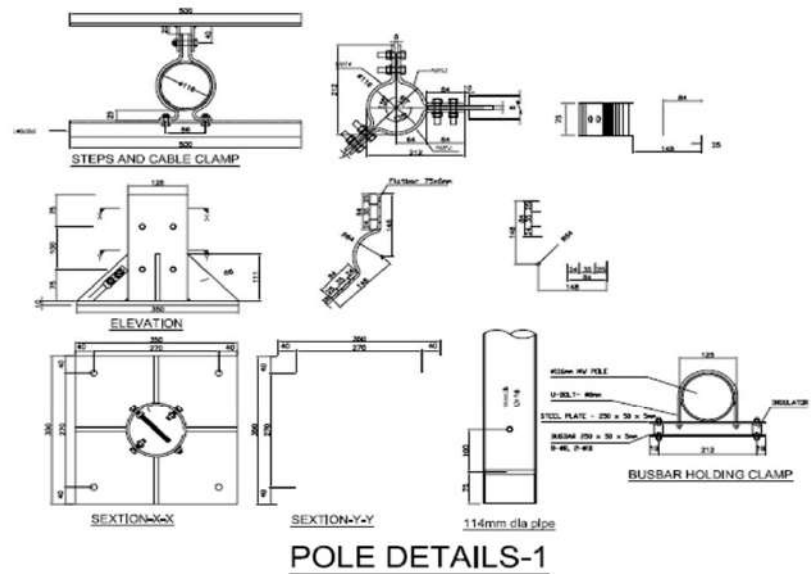
MTL is a trusted company with strong expertise in **Civil, Electromechanical Infrastructure, and Telecom Tower/Pole Supply.**



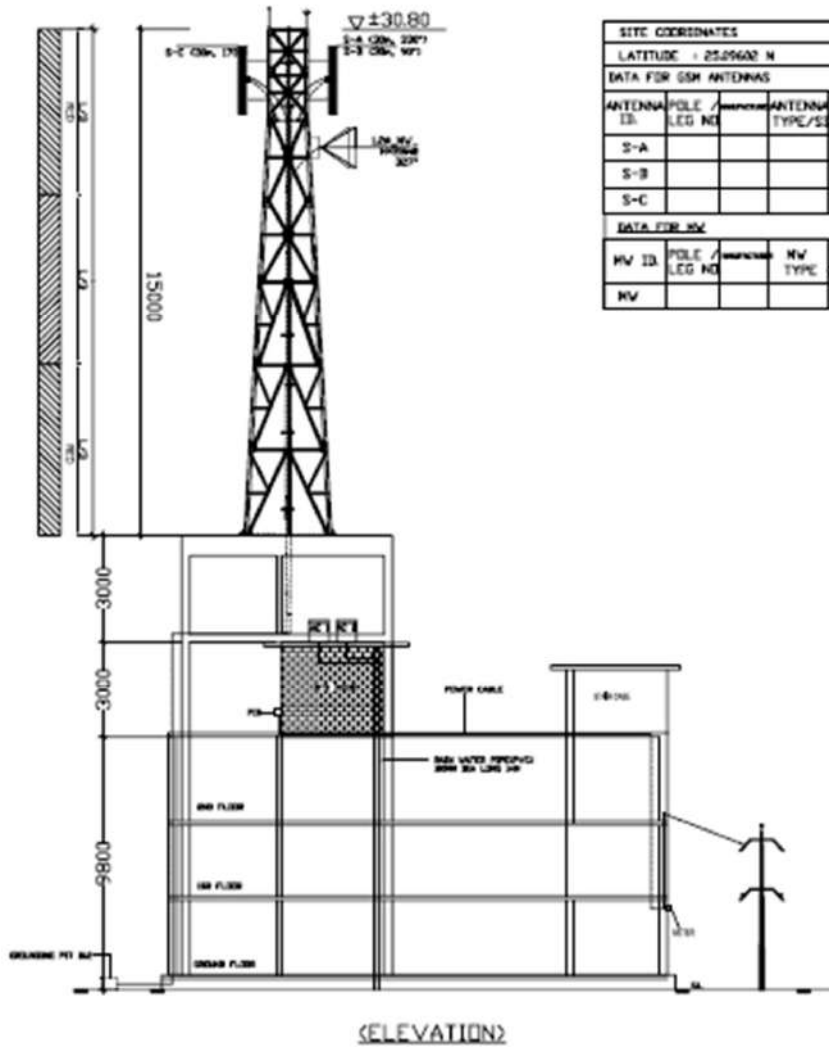
Expertise Areas

- Construction of **Building Infrastructure**
- **Fabrication, Assembly & Erection** of Transmission Towers
- **Pre-engineered Steel Buildings, Cabins & Shelters**
- Fabrication & erection of **Steel Structures**
- Supply, installation & maintenance of **Electrical Substations**
- Construction of **BTS/RBS Foundations**
- Manufacturing of **Monopoles** (street lighting & electrical O/H distribution)
- **Microwave Towers/Poles** including full civil foundation

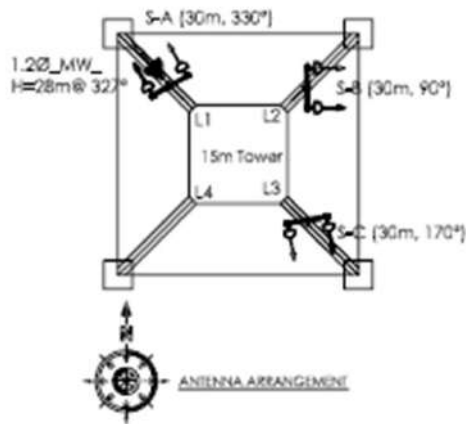
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Tower Design layout



SITE COORDINATES										
LATITUDE : 25.9600 N					LONGITUDE : 096.0000 E					
DATA FOR GSM ANTENNAS										
ANTENNA ID:	POLE / LEG NO.	ANTENNA TYPE/SIZE	SIZ IN M	AZIMUTH	HEIGHT CN IN M	TILT MECH/ELEC	NO. OF ANTENNAS	FEDDS NO	DIA IN INCH	ESTIMATED FEE CABLE LENGTH CN IN M
S-A										
S-B										
S-C										
DATA FOR MW										
MV ID	POLE / LEG NO.	NW TYPE	SIZ IN M	AZIMUTH	HEIGHT CN IN M	TILT MECH/ELEC	NO. OF ANTENNAS	REMOTE ID	LENGTH CN IN M	
MV										



Civil Foundation of Tower

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Civil & Power Grid Construction

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Civil & Engineering Expertise

Tower & Pole Works

- Completed numerous telecom projects across Bangladesh
- Supplied & installed **Self-Supported Microwave Angle & Pole Towers**
- Fabrication, assembly & erection of towers: **6m – 50m**
- Clients include **Ericsson, Grameenphone, Robi, edotco, Summit Communication**
- Expertise in **Greenfield & Rooftop Towers** with rapid procurement & site support

Civil Works

- Delivered **1500+ Rooftop & Greenfield Projects** nationwide
- BTS room construction & tower foundations
- Built tower foundations: **12m – 70m**
- Strong track record with multiple telecom service providers

Proven expertise in telecom civil construction and tower infrastructure across Bangladesh.

Generator Supply & Services

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Premium Generator Brands & Ranges

- **Caterpillar (CAT)** – Diesel generators from **10 kVA** (portable) to **2500 kVA** (industrial)
- **Cummins** – Wide range: **10 kVA** (residential) to **3000+ kVA** (industrial)
- **Generac** – Residential (**10 kVA**) to industrial (**2000+ kVA**)
- **Kohler** – **8 kVA** (home use) to **4000+ kVA** (critical power & industrial)
- **MTU Onsite Energy** – High-performance units: several hundred to several thousand **kVA**
- **Perkins** – **8 kVA** (residential) to **2500+ kVA** (industrial)



Additional Global Brands

- **Yanmar** – Compact **5–50 kVA** (residential & marine)
- **HIMOINSA** – Portable **5 kVA** to **3000+ kVA** (industrial)
- **Atlas Copco** – Energy-efficient generators from **20 kVA** upwards
- **Doosan Portable Power** – Mobile generators for construction: **20–500+ kVA**
- **FG Wilson (CAT brand)** – **6 kVA** to **2500+ kVA** (residential & industrial)

Integrated Solutions & Technology Supply

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Lithium-ion Batteries

- 48V 100Ah, durable in harsh conditions
- Wide operating range (-20°F to +150°F)
- Outperforms SLA & other lithium options



Solar Panels

- High-performance, long service life
- SPV design, available in 12V & 2V
- Superior cycle life capacity



UPS & IPS Systems

- Instant backup for critical loads
- Ensures uninterrupted power
- Reliable for home & industry use



Outdoor Cabinets

- Protect telecom equipment
- Secure from vandalism & weather
- Houses active & passive gear



Strategic Network & Security Partners

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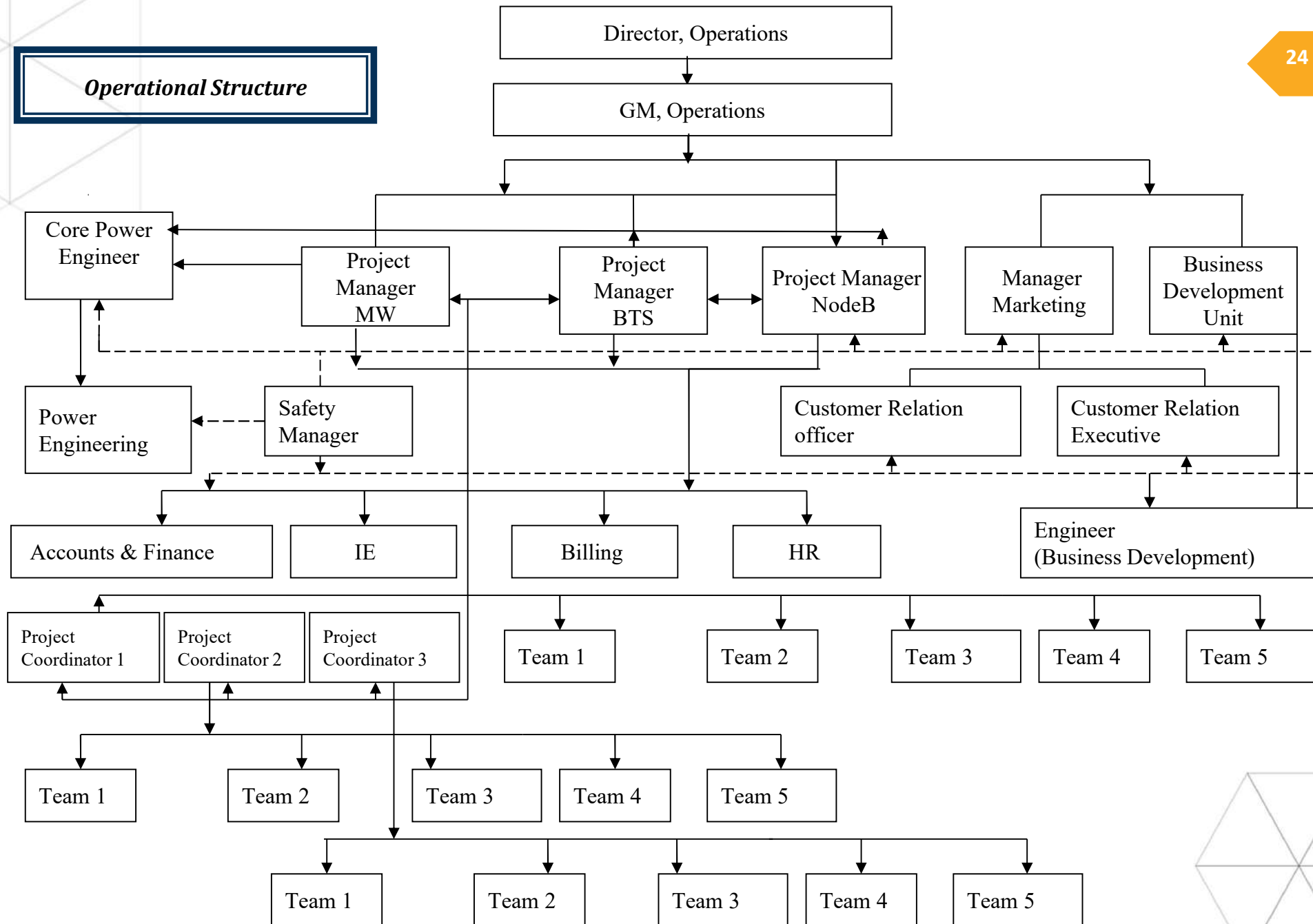


TECHNOLOGY PARTNERS

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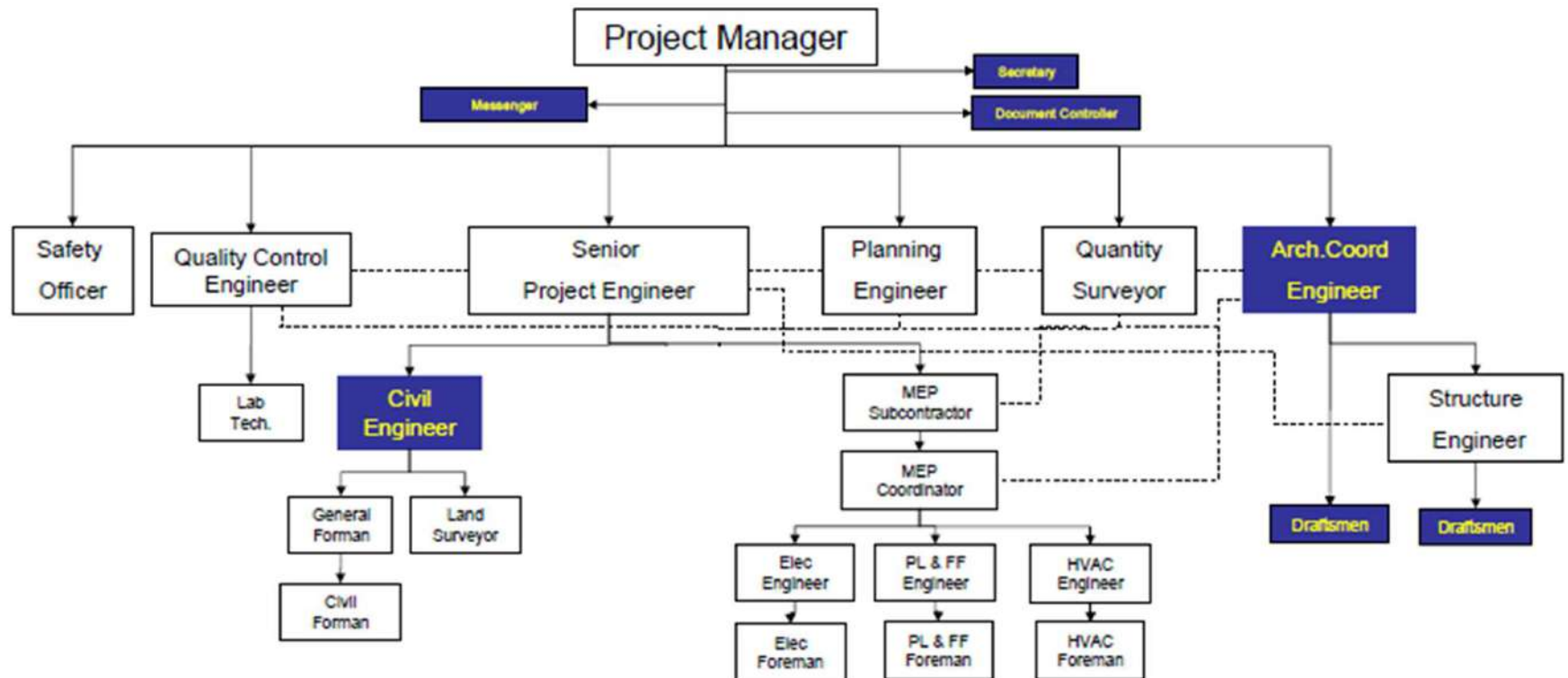


Operational Structure



Civil & Construction Organogram

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SAFETY & QUALITY POLICY

Our Commitment

- Maintain **highest standards** in **Safety & Quality**
- **Zero accidents** achieved in the last **7 years**
- Safe working environment for **people, machines & partners**
- Safety is our **top priority over business goals**

Safety first, always — protecting our people, partners, and projects.



Our Commitment to Quality

- Recognized as a **reliable & high-quality service provider** in Bangladesh
- Driven by **customer satisfaction** as the foundation of success
- Delivering through:
 - **Operational efficiency**
 - **Time consciousness**
 - **Skilled & innovative workforce**
- Continuous focus on **excellence & improvement**

Dedicated to customer satisfaction through quality, efficiency, and innovation.

Management Team & Project Execution



Leadership

- Led by **Managing Director & Director Technical**
- Experienced managers from **national & multinational companies**
- Departments led:
 - **Telecommunication**
 - **Installation & Inspection**
 - **Planning & Review**



Project Execution Process

_____ **Progress Review Meeting**

_____ **Team Expansion Plan**

_____ **Contingency Planning**

_____ **Daily and 8 hourly Progress Monitoring**

_____ **Work Quality Inspection**

_____ **Task Defining and Task Allocation**



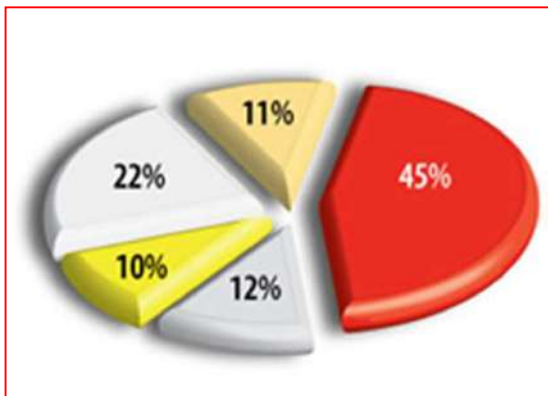
Management Approach

- Continuous **Monitoring, Evaluation & Review**
- **Contingency Planning** with backup teams
- Ensures project success through **extra support** when required

Human Resources

Our People, Our Strength

- Human capital is the **key to MTL's success**
- Specialized & experienced personnel driving demanding objectives
- Over **250+ professionals** working across Bangladesh
- Fast-paced, success-oriented & rewarding work environment
- Strong focus on **training & skill development** in ICT
- Contributing to **national GDP growth** through skilled workforce



Human Resources by Function

45% – Services & Project Implementation
22% – Production & Supply Chain
12% – Marketing & Sales
11% – Finance, HR, Communication, Legal, Admin
10% – Research & Development

Valuable Clients



ERICSSON 



NOKIA



প্রাথমিক ও গণশিক্ষা মন্ত্রণালয়

Valuable Clients

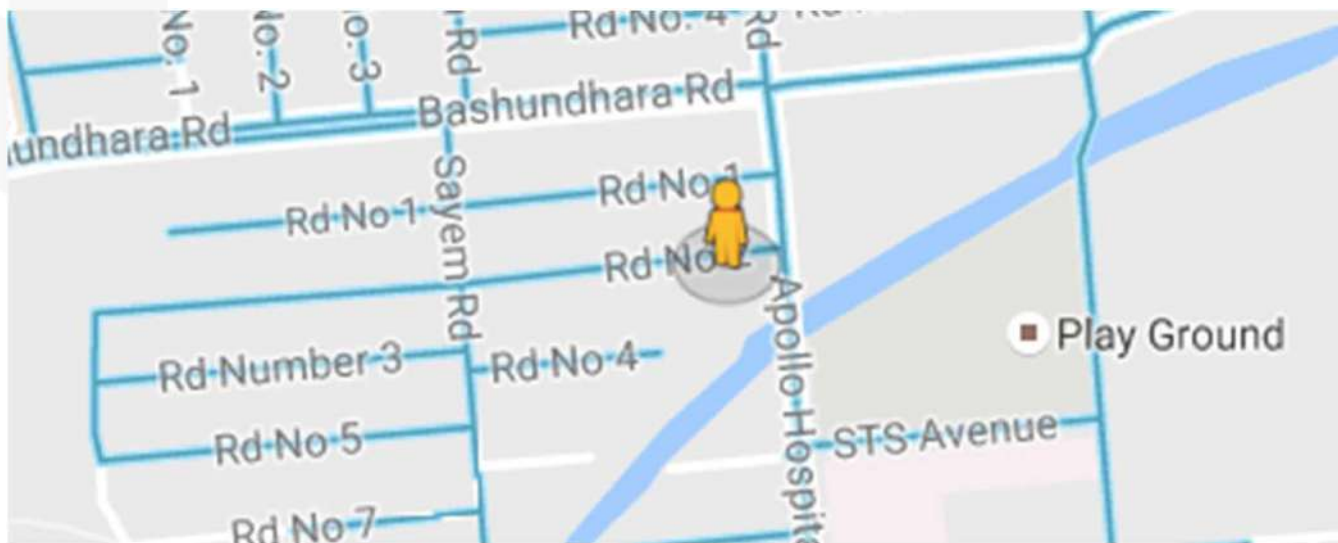


Product Brand in Focus

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Contact Us



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Thank You