### Let's Connect!



Network Design , Engineering , Consulting , Surveying , Installation , Troubleshooting , Maintenance & Supplying Network Facilities

Myanmar Development Engineering Group Co., Ltd.
Company Profile



### **Basic Information**



Company Name: Myanmar Development Engineering Group Co., Ltd. (MDEG Co., Ltd.)

Established Year : December 2012

(Founded by senior engineers who have at least 17 years of in service experiences with

MPT.)

Employees : (100)

HQ Location: No.18, Aung Thaikdiyeiktha,

Lane(3), Mayangone Tsp.,

Yangon, Myanmar.11062

Phone : +95 9 5003024

Fax : +95 1 663831

Email : info@mdegmm.com

Web : https://www.mdegmm.com

Company Category: Outside Plants Network Services Provider



### **MDEG Certificates**



ကုမ္ပဏီမှတ်ပုံတင်လက်မှတ် Certificate of Incorporation

မြန်မာ ဒီဗဲလက်(ပ)မဲ့(န်ထ်) အဲ(န်)ဂျင်းနီးယားရင်း ဂရု(ပ်) ကုမ္ပဏီ လီမိတက် MYANMAR DEVELOPMENT ENGINEERING GROUP COMPANY LIMITED

Company Registration No. 100463334

မြန်မာနိုင်ငံကုမ္ပဏီများအက်ဥပဒေ ၁၉၁၄ ခုနှစ် အရ မြန်မာ ဒီဗဲလက်(ပ)မဲ့(န်ထ်) အဲ(န်)ဂျင်းနီးယားရင်း ဂရု(ပ်) ကုမ္ပဏီ လီမိတက်

အား၂၀၁၂ ခုနှစ် ဒီဇင်ဘာလ ၁၃ ရက်နေ့တွင်

အစုရှယ်ယာအားဖြင့် တာဝန်ကန့်သတ်ထား သည့် အများနှင့်မသက်ဆိုင်သောကုမ္ပဏီ အဖြစ် ဖွဲ့စည်းမှတ်ပုံတင်ခွင့် ပြုလိုက်သည်။

This is to certify that MYANMAR DEVELOPMENT ENGINEERING GROUP COMPANY

was incorporated under the Myanmar Companies Act 1914 on 13 December 2012 as a Private Company Limited by Shares.

4-6

ကုမ္ပဏီမှတ်ပုံတင်အရာရှိ Registrar of Companies

ရင်းနှီးမြှုပ်နှံမှုနှင့်ကုမ္ပဏီများညွှန်ကြားမှုဦးစီးဌာန

Directorate of Investment and Company Administration



Former Registration No.3811/2012-2013





### **Working at Height Safety Certificates**







Expiry Date: 7 July 2020

9/PaThaKa(N) 142493

Expiry Date: 7 July 2020

### **Occupational Safety and Health Supervisor Certificates**









#### **WIN OSHE SAFETY ACADEMY**

#### OSH Supervisor Training Record

This trainee has successfully completed the following Professional Development Certificate Program

- -Theories of Accident Prevention
- -OSH Management System
- -Risk Assessment & Risk Management -Material Handling, Excavation
- -Emergency Preparedness and response
- -Occupational Health, Fire Safety
- -Electrical and Mechanical Hazards and Control

95 Insein Road, 4B, San Yeik Nyein, Kamaryut Township, Yangon PH: (+95) 979 3899 665, (+95) 996 4055 776 Email: training@osheservices.com

#### WIN OSHE SAFETY ACADEMY

#### **OSH Supervisor Training Record**

This trainee has successfully completed the following Professional Development Certificate Program.

- -Theories of Accident Prevention

- -OSH Management System -Risk Assessment & Risk Manag
- -Material Handling, Excavation
- -Incident Investigation
  -Emergency Preparedness and response
- -Occupational Health, Fire Safety
- Electrical and Mechanical Hazards and Control

95 Insein Road, 4B, San Yeik Nyein, Kamaryut Township, Yangon PH: (+95) 979 3899 665, (+95) 996 4055 776 Email: training@osheservices.com Web: www.winoshe.com

# Working at Height & Pole Climbing Safety Certificates







### **Certificate of Achievement**

#### **NYUNT WIN**

14/DaDaYa(N)087446

## WORKING AT HEIGHT AND POLE CLIMBING SAFETY COURSE

(Refresher Course)

28th December 2020

#### The training topics covered as follows:

- Introduction to Work at Height Safety
- · Safety Law and Regulations in Myanmar
- · Roles and Responsibilities of WAH Supervisor and Worker
- · Pole Climbing Safety
- Fall Protection System and Fall Control Measures
- · Fall Protection Equipment
- First Line Response in Emergency

Theory Assessment: PASS



Han Myo Naung

Working at Height Manager (Singapore)

Managing Director (WSH Myanmar)



WSH Myanmar Company Ltd.

WSH01\_WAH44\_2020122806

# **Electrical Safety Awareness Course Certificates**







#### **Certificate of Achievement**

#### **KYAW ZIN THET**

7/TaNgaNa(N)192668

#### **Electrical Safety Awareness Course**

29th December 2020

#### The training topics covered as follows:

- Overview of OSH Law
- Roles and Responsibilities
- · Overview of Electrical Hazards and Basic Electricity
- Overview of Electrical Safety and Preventive Measure
- · Overview of Lockout/Tag Out Safety
- First Aid Technique for Electric Shock
- Control Measures for Workplace Hazards
- · Toolbox Briefing and Two Minutes Rules
- · Theory Assessment



U Han Myo Naung

Managing Director

WSH Myanmar Institute of QSHE

·

WSH Myanmar Company Ltd.

WSH01\_ESA19\_2020122904

### **Major Provided Services**



### OSP Constructions & Fiber Total Solutions;

- Survey & Design
- Aerial Fiber Cable Installation
- Underground Fiber Cable Laying
- Micro-duct Laying & Cable Blowing
- HDPE Pipe Laying & Cable Installation
- Splicing & Testing
- Termination & Equipment Installation
- Fiber Cable Maintenance
- FTTH Network
- GPON Services
- OSP Services

### **Major Provided Services**



### OSP Constructions & Copper Total Solutions;

- Survey & Design
- Civil Works
- Aerial Copper Cable Installation
- Underground Copper Cable Laying
- Jointing, Termination & Testing
- Cabinet Installation
- Copper Cable Maintenance
- Migration
- Renovation

### **Other Services**



- CCTV Installation

- GIS Mapping with QR code

- Campus Network

- GPS Data Supporting
- Traffic Light Control System Consultant of Outside Plants
- Internal Networking System (Fiber & Copper)
- Billboard Mobile Backhaul

- Authorized Dealer of Emtelle Asia Pacific's Microduct & Fiber Cable and Accessories
- Supplier of Outside Plants Materials & Instruments
- Supplier of Plastic Manhole (Channell Vaults)
- Manhole Construction & Placing

### **Partner Companies**





**Emtelle Asia Pacific** 



**Greenish Engineering Service Co., Ltd.** 



Royal Yak Engineering & Construction Co. Ltd

### **MDEG Recognized Customers**







**Eager Communication Group Co., Ltd.** 





**Leadcom Integrated Solutions** Myanmar Co., Ltd



**Horizon Telecom** International Co., Ltd.



**Myanmar Telecommunication Network Public Co., Ltd** 



Future Tech Co., Ltd



Shwe Than Lwin Co., Ltd



Ayeyarwaddy Treasure Trading Company Limited



**Myanmar NET** Frontiir Co., Ltd



CITCC (Myanmar) Co., Ltd



**Myanmar Golden 11** Investment International Co., Ltd



Barons & Fujikura EPC Co., Ltd

PTTEP (Myanmar)



Rich World Int'l Co., Ltd.





**HAGL Vietnam** 



**Elite Tech Group of Companies** 

### **Our Vision, Mission & Strategy**



### **Company Vision**

- To be the integrated outside plants service provider company.
- To serve the needs of our customer and provide the best services to our customer.

## **Company Mission**

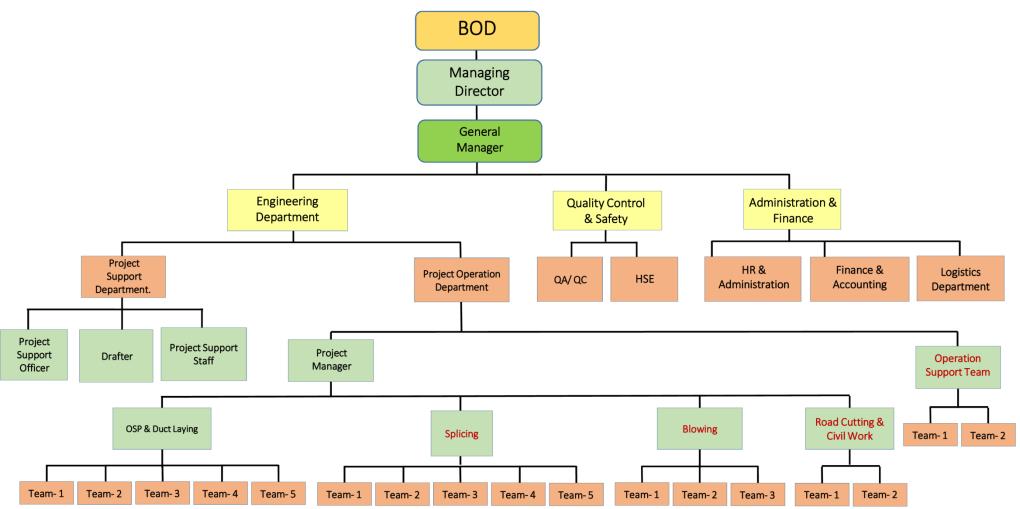
- To maintain the best position in outside plants network field.
- To be a well known and reputable company.
- To enrich our experience outside plants network field.

### **Company Strategy**

- Quality Control
- Health & Safety
- Standardization

### **Organizational Structure**



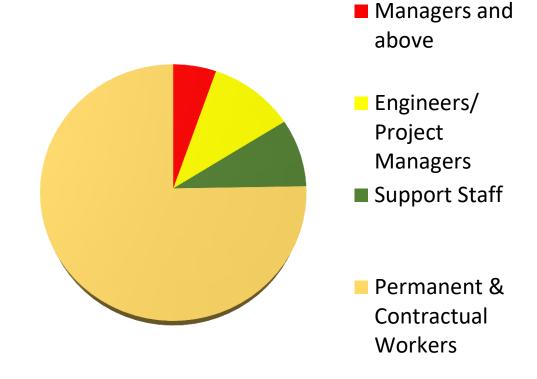


### **Skilled and Experienced Workforce:**



- **❖** Permanent Employees
- **❖** Project Based Person − 100+
- **❖** Total Workforce (93) Persons
- ❖ We can extend ++

Workforce	Nos.
Manager and above	5
Engineers/ Project Managers	10
Support Staff	8
Permanent Technician	20
Contractual Workers	50





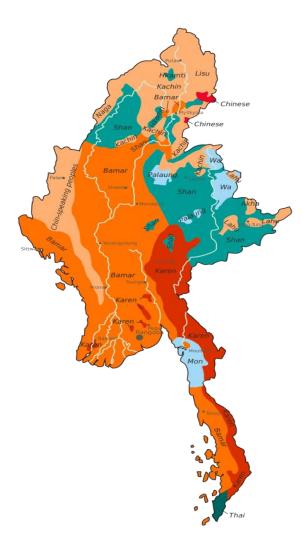
### **Optical Fiber Cable Blowing-**

Over (1,900) Km around the whole country of Myanmar.













# MDEG

### Micro Trenching & Duct Laying











# MDEG

### **Aerial Cable Installation**



















# MDFG

### **Concrete Pole Erecting & Pole Footing**













# MDEG

### **MPT-KSGM**

(B2B, Sub-Trunk (Metro Network), Mobile Backhaul Link, FTTx Projects)
Aerial Cable Installation-





















# MDEG

### **Underground Cable Installation**









# MDEG

## **Underground Cable Installation**













# MDEG

### **Splicing & Testing**















# MDEG

### Manhole Construction & Installation-













# MDEG

### **HDPE Pipe Laying & Micro Duct Laying**













# MDEG

# Road Cutting, GI Pipe Laying & Duct Laying for Last Mile Fiber Cable Installation

















# Copper and Underground OF Cable Installation (JICA-Thilawa Access Road Project)

### **Toolbox Meeting**







# Copper and Underground OF Cable Installation (JICA-Thilawa Access Road Project)

### **Cable Drum Testing**









# **Copper and Underground OF Cable Installation (JICA-Thilawa Access Road Project)**

### **Cable Drum Placing at Drum Jack**









# **Copper and Underground OF Cable Installation (JICA-Thilawa Access Road Project)**

### **Coiling Cable Figure 8**









# **Copper and Underground OF Cable Installation (JICA-Thilawa Access Road Project)**

### **Cable Mandrel Testing**









# **Copper and Underground OF Cable Installation (JICA-Thilawa Access Road Project)**

### **Cable Pulling**







# **Traffic Light Control System with YCDC**











## **Termination & Equipment Installations**















### **Billboard Mobile Backhaul Installations**







### **Tools & Equipments**





**Plumett Mini Jet Blowing / Jetting machine** 



**GS-150 Blowing Machine/ Jetting machine** 



**Blowing Unit 2 A and Dispenser** 



**Blowing unit** 



**Dispenser** 



**Honda Water Pump for Mini Jet Blowing machine** 



**Air Cooler** 



**M17 Compressor** Kaeser M17 Air Compressor and Cooler



**Fusion Splicers** 



**Optical Time Domain Reflectometer** (OTDR)



Name: U Win Zaw Moe

**Position: Manaing Director** 

### Worked Sections & Experiences:

(1996 - 1999) - Thingyungun Exchange Outside Plant

(1999 - 2001) - Mayangone Exchange Outside Plant

(2002 - 2007) - Thingyungun Exchange Outside Plant

(2007 - 2008) - Bayintnaung Exchange Outside Plant

(2008 - 2010) - Tamwe Exchange Outside Plant

(2010 - 2013) - Thingyungun Exchange Outside Plant

(2012) - Jointed to MDEG Co., Ltd.

#### Training:

(1997) - Outside Plant Training (Sumitomo, Japan)

(2003) - High Speed Information Technology Training (KT, Korea)

(2007) - Asian - China Broadband Optical Fiber Network Training (Wuhan, China)

### **Project Experiences:**

(1996) - Thingyungun Exchange Extension Project

(1997) - Alcatel Shanghai Bell (6,000) Lines Extension Project

(2001) - Nay Pyi Taw OSP Infra Structure Construction Project



Name: U Than Htike

Position: Project Manager

### Worked Sections & Experiences:

(2005 - 2007) - Demonstrator - Technological University (Kyaukse)

(2008 - 2012) - Project Engineer @ M & E Company Singapore

(2013 - 2014) - Project Manager @ M & E Company Singapore

(2015 - 2016) - General Manager @ SYT Engineering Company

(2017) - Jointed to MDEG Co., Ltd.

### Course & Training:

(2008) - M & E Training (Singapore)

(2012) - Safety Coordinator & Risk assessment Course (Singapore)

(2013) - Project Manager Course (Singapore)

### **Project Experiences:**

(2018) - MPT KSGN Metro Network Extension Project (Yangon & Mandalay Sub Trunk)

(2019) - MPT FTTX Project (Yangon), MPT Mobile & B2B Services (Yangon & Mandalay)

(2019) - JICA-Thiliwa Access Road-Underground OF Cabling Project (Thilawa, Yangon))

(2020) - Eager-Telenor OSP Infra Structure Construction Project (Dala Township, Yangon)



Name: U Sein Toe

Position: QA/QC Control Engineer

### Worked Sections & Experiences:

(1947)- (2015) - Worked in Myanmar Post & Telecommunication Outside Plant Field as an Junior Assistant Engineer.

#### Project Experiences:

(1947-1980) -	Pazuntaung TPTC(Myanmar Communication Development Project(Phase-1)
(1984-1985) -	Pazuntaung TPTC(Myanmar Communication Development Project(Phase-2)
(1985-2010) -	Maung Htaw Lay Exchange (OSP)
(1989) -	Thingyungun Exchange Extension Project
(1989) -	Kyauktan Exchange Extension Project (New Construction, Installation)
(1995) -	Kawthaung Exchange Extension Project (New Construction, Installation)
(1996-2010) -	TAMAR Project
(1996-2010) -	Mingalardon, Htauk Kyant, Pale Exchange (OSP)
(2013-2014) -	North Okkalapa, Shwe Pauk Kan Exchange (OSP)
(2014-2015) -	North Dagon Exchange (OSP)
-	Mayangone Exchange (Oversea to Sarmalauk) SEAMEWE NTT (Japan Project)
	North Okkalapa Exchange MSAN Project
	North Okkalapa Exchange (East Dagon) MSAN Project)

### Training:

(1978) -	Cable Jointing Course, Cable Installaton Course
(1979-1982) -	Electrical Engineering Courses (Engineering Science, Mensuration,
	Engineering Mechanics, Electrotechnology(A.C and D.C), Electrical
	Measurements and Instruments, Electrical Drafting, Strength of Materials,
	Switchger, Generation, Transmission and Distribution, Ultalizationof
	Electrical Power, Electrical Machines, Electrical Communications
(1988) -	Metallic Cable Testing and Fault Location & Subscriber Apparatus Course



Name: U Htin Naing

Position: Health & Safety and Outside Plant Engineer

Worked Sections & Experiences:

(2014) - Jointed to MDEG Co., Ltd.

- Micro Duct Laying Project with Eager Communication Group Co., Ltd.

### **Project Experiences:**

(2014 - 2015)

- Yangon City Micro Duct Laying Project with YCDC
- Fiber Installation Project (GEPON) in Myanmar Japan Thilawa Special Economic Development Zone

(2015-2016)

- Kalay Tamu Telenor Backbone Fiber Link Project with Eager Communications Group Co., Ltd.
- Mawlamyine Thanbyuzayat Phaya Thone Zu Telenor Backbone Fiber Link Project with Eager Communications Group Co., Ltd.



### **Optical Fiber Cable Blowing Project**

- Telenor Backbone Project with CITCC (Myanmar) Co., Ltd.
   (Kayin, Kayah and Shan State, about 800 kilometer)
- Ooredoo Backbone Project with CITCC (Myanmar) Co., Ltd. (Kayin State, about 60 kilometer)
- Metro OF Cable Blowing Project with Eager Communication Group Co., Ltd. (Yangon, about 500 kilometer)
- Metro OF Cable Blowing Project with BFE Co., Ltd.
   (Pyay-Kyone Kone, Bago Division, about 210 kilometer)
- Metro OF Cable Blowing Project with BFE Co., Ltd.
   (Bago-Thahtone, Bago Division, about 148 kilometer)
- Metro OF Cable Blowing Project with Eager Communication Group Co., Ltd. (Yangon-Bago Blowing Project, about 185 kilometer)
- Metro OF Cable Blowing Project Eager Communication Group Co., Ltd. (Kalay-Tamu Blowing Project, about 145 kilometer)
- Metro OF Cable Blowing Project with Eager Communication Group Co., Ltd. (Bhamo-Myitkyina Blowing Project, about 103 kilometer)
- Metro OF Cable Blowing Project with Myanmar Net (Frontiir Co., Ltd.)
   (Yangon Metro Blowing Project, about 100 kilometer)



### **Optical Fiber Cable Laying Project**

 B2B, Sub-Trunk (Metro Network), Mobile Backhaul Link, FTTx Projects with MPT-KSGM (Myanma Post & Telecommunications).
 (Yangon, Mandalay, Bago and Shan State, about 600 kilometer)

### **Micro Duct Laying Project**

- Metro Microduct Laying Project with Eager Communication Group Co., Ltd. (Yangon, about 200 kilometer)
- Metro Microduct Laying Project with Eager Communication Group Co., Ltd. (Regional Area, about 200 kilometer)

### **FTTx Project**

- · Cable installation and Equipment Installation for Elite Fttx Project
- · Cable installation and Equipment Installation for Fortune Fttx Project
- Cable installation and Equipment Installation for Yadanarpone Fttx Project
- Cable installation and Equipment Installation for MPT



### **HDPE Pipe Laying & Cable Installation**

• MPT Backbone Project in Mon State, about (100 kilometer) with Global Telephone Co., Ltd. (branch of Shwe Than Lwin Co., Ltd.)

# OSP Construction Project (Mobile Backhaul Link, Backbone Construction)

- Myanmar-Japan Thilawar Special Economic Development Zone Infrastructure Construction with Rich World Int'l Co., Ltd. (KDDI Project)
- Telecom Infrastructure Project in JICA- Thilawa Access Road Project (Thanlyin)
- Mobile Back-haul Link Of Cable Installation for Ooredoo & Telenor with Eager Communication Group Co., Ltd.
  - (Yangon, about 120 kilometer)
- Aerial Cable Installation for Congestion Link YGN- 40km (MPT-KSGM)
   (Shwe Pyi Thar Hmawbi MPT-KSGM Project in Yangon, with BFE Co., Ltd)
- FTTH Network Construction Project in Yangon with Myanmar Net Co., Ltd)
- 7Way Microduct Laying & 96Core Direct Buried UG OF Cable Laying between Thanbyuzayat-Phayathonezu at Mawlamyine-Thanbyuzayat-Phayatonezu Telenor Backbone Fiber Route

(about 40kilometer in 2016-2017)



### Campus, Residential, Industrial OSP Network Construction

- Pun Hlaing Golf Estate and Star City Housing Project OSP Network Construction with Future Tech Co., Ltd.
- NEC ODF Installation (Phase-I), Yangon, Myanmar.
- OSP Network Construction for MEC Tyre Factory in Insein, Yangon.
- Pyin Oo Lwin Defense Service Science and Technological Research Internal Networking.

### Hotels, Hospital and Business Tower Indoor OF Cable Installation

- Novotel Hotel, Shangarila Hotel and Pun Hlaing Hospital Indoor OF Cable Installation with ATT Co., Ltd.
- HAGL (Myanmar) Business Tower Indoor Cable Installation Project with Frontiir Co., Ltd.

#### **Maintenance**

- Maintenance for Metro Mobile Back-haul Link of Telenor & Ooredoo with Eager Communication Ltd.
- Fiber Cable Maintenance for Mawlamyine-Thanbyuzayat-Phayathonezu Project with Eager Communications Group Co., Ltd.



# MDEG Co., Ltd Is Your Trusted Partner!



Myanmar Development Engineering Group Co., Ltd

No.18, Aung Theikdi Yeiktha, Lane.3, (3) Quarter, Mayangone Township, Yangon, Myanmar.

Tel: +959 5003024 E-mail: mdeg.engg@gmail.com **MDEG** 

Web:

# THANK YOU.