

# Company Profile

2019



**FORTEK Inc.**  
T&D ENGINEERING AND MANAGEMENT SERVICES

## Who are we?



**FORTEK Inc.** is specialized in providing services for the preparation of overseas bidding activities, project execution/management of H.V. electrical work and for the national and international outsourcing and the import/export of electrical materials.

We are offering to the clients our best quality services based on our accumulated experiences and leading edge technology ranging from the preparation work to the contract awards, which include the price estimation and the preparation of technical documentation for the bidding activities, Moreover, we are doing the engineering and design, procurement service, implementation and/or project management services, commissioning during the executing the contract.

It is our goal to help our clients who wish to purchase electrical quality product/materials with a comprehensive package of electrical materials outsourcing, technical specification, price negotiation, and delivery services in order to enhance the work performances of our clients.

We are committed ourselves to serve our clients with updated technology and information.

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# 1. ORGANIZATION



## • General

- Establishment : April 18, 2001
- Tel. : 82) 2 - 2029 - 4800 ~ 3
- Fax. : 82) 2 - 6008 - 7499
- Address : #904, Daerung Techno 13-cha,  
24 Gasandigital 1-ro, Geumcheon-gu, Seoul, Korea
- Website : [www.fortek.co.kr](http://www.fortek.co.kr)
- E-mail : [info@fortek.co.kr](mailto:info@fortek.co.kr)

## • Organization Chart

PRESIDENT

ENGINEERING

Basic Engineering  
Calculation  
Design

PROJECT

Management  
Consultation  
Installation, Supervision

TRADING &  
ADMINISTRATION

Import & Export  
Accounts  
General

## 2. BUSINESS ACTIVITY



- Engineering

- Design
- Calculation
- Technical Evaluation
- Technical Clarification

- Project Management

**PROJECT**

- Project Management
- Procurement Service
- Scheduling
- Installation, Supervision

**PROJECT CONSULTAION**

- Feasibility Study
- Estimation
- Scheduling

## 2. BUSINESS ACTIVITY

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- Documentation for Bidding
  - Electrical Project
- Outsourcing of Equipment & Materials
  - For Substation
  - For Transmission Line
  - For Distribution System
- Survey of Supplier
- Trading (Supply of Equipment & Materials)

### 3. PROCUREMENT IN SERVICE

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- Outdoor Switchgear
- Relay & Control Panel
- Power and Distribution Transformer
- Battery & Charger
- Steel Structure, Steel Tower
- Insulator & Fittings
- Grounding Materials
- Conductor, Power & Control Cable, Cable Tray
- Miscellaneous



## 4. SCOPE OF WORKS



- Bidding



**FORTEK**

- Inquiry
- Offer
- Technical & Other Document
- Clarification
- Design & Engineering
- Technical & Bid Evaluation

## 4. SCOPE OF WORKS



- Execution & Completion



**FORTEK**

- Overall Design, Engineering and Calculation
- Review & Checking for Technical Specification
- Preparation for Technical Specification for Approval
- Clarification
- Procurement Service
- As Built

## 5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
1	132kV Electric Power Network Exp. Project / Nicaragua	Project Management (Design, Procurement)	SAMSUNG Corp. / ENTRESA, Nicaragua	2002 ~ 2003
2	132kV Double Circuit OHL SEC Tender No. 504/22/3 / Saudi Arabia	Procurement Service	LG Int'l / SCECO, Saudi Arabia	2002 ~ 2003
3	132kV Double Circuit OHL SEC Tender No. 523/22/3 / Saudi Arabia	Procurement Service	LG Int'l / SCECO, Saudi Arabia	2002 ~ 2003
4	132kV TANESCO Electricity IV Phase-II Project / Tanzania	Project Management (Design, Procurement)	Daewoo Int'l / TANESCO, Tanzania	2004
5	33kV & 11kV Rural Electrification Project / Bangladesh	Design, Documentation for Bid & Procurement Service	Daewoo Int'l. / REB, Bangladesh	2004 ~ 2007
6	Bosch Factory Construction. 22.9kV / Korea	Installation of 24.9kV SWGR Panel	Daewoo Eng'g / Bosch Korea	2004
7	230kV Ashuganj-Serajganj T/L / Bangladesh	Project Management & Procurement Service	Consortium of LG Int'l and Sejong Corp. / PGCB, Bangladesh	2005 ~ 2007
8	Intensification and Expansion of Distribution System 2nd Phase( EDCF-01) / Bangladesh	Procurement Service	Daewoo Int'l / REB, Bangladesh	2006
9	GEPCO 132kV Substation for Rural Distribution Construction Project / Pakistan	Technical Consultant. Preparation for RFP	EDCF, EXIM, Korea	2007
10	Procurement of Distribution Line Materials for EDC'S Rural Grid Extension (Pkg-1, Bid No.WB-EDC-04-1) / Cambodia	Procurement Services	KyungAn Cable Co. / EDC, Cambodia	2007 ~ 2008
11	Construction of Aminbazar-Meghnaghat 400kV T/L / Bangladesh	Supporting for Tendering & Negotiation Meeting	KEPCO / PGCB, Bangladesh	2007 ~ 2008
12	Khartoum North Power Station. I&C Rehabilitation Project (no. 23-0288) / Sudan	Electrical Design	DIMCO/ NEC, Sudan	2008 ~ 2010

## 5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
13	Development of Sylhet-Shahjibazar-Brahmanbaria 400kV Transmission Line Project / Bangladesh	Technical Consultant.	EDCF, EXIM, Korea	2008
14	CHAMELIYA Hydroelectric Project Lot-1,2 &3 under EDCF Loan Agreement / Nepal	Engineering , Procurement & Project Consulting Service for Electrical Works	HwaChon Plant Construction Co., Ltd. / NEA, Nepal	2009 ~ 2017
15	E-Power 30MW Diesel Power Plant (HEP Project) 72.5kV Substation and Transmission Line Works / HAITI	Design, RFQ for Electrical Works	DECCO Ltd. & HHI, Korea / EdH, Haiti	2009
16	Haiti 24kV Distribution Line Works. 57km / Haiti	Design, RFQ for Electrical Works	DECCO Ltd. / EdH, Haiti	2009 ~ 2010
17	Megnaghat –Amin Bazar 400kV Transmission Line Project (IFB No. 01/PGCB/Sec/2008/2787) / Bangladesh	Project Management & Procurement Services	Consortium of Samsung and Hanbaek Co. / PGCB, Bangladesh	2010 ~ 2013
18	SABIYA CCGT Power Station, 400kV Inter-Connection from Dead-end Tower to Gantry / Contract No. : MEW/C/4010-2009/2010 /Kuwait	Design & Procurement for the Long-rod Insulator, Fittings and Conductor	Hyundai Heavy Industries Co., Ltd. / MEW, Kuwait	2010
19	YoungHung Mini Hydro Power Plant #1 & #2 (1,550kW x 3) / Korea	Engineering & Design (Electrical + I&C)	HwaChon Plant / KOSEP, Korea	2010 ~ 2011
20	132kV Substation for BERA 70MW Peaking Power Plant / Bangladesh	Engineering, Procurement, Erection and Test & Commissioning	Hyundai Heavy Industries Co., Ltd. / PDB, Bangladesh	2010 ~ 2011
21	Design-Build and Turnkey Contract for 230kV SIDDHIRGANJ Substation Bid Package No. G3-PGCB / Bangladesh	Engineering. Design & Supervision for Site Works	GS E&C / PGCB, Bangladesh	2010 ~ 2013
22	23kV Distribution Line(4.2km) for Haiti-North Park USAID 10MW PPS / Haiti	Design, Calculation & Procurement	ESD, Engineering & Services. SRL, Dominica	2011 ~ 2012
23	132kV Substation Grid Connection Works for HFO Diesel Power Plant - A,B Project / Iraq	Engineering & Design Works	STX Heavy Industries Co., Ltd. / MOE, Iraq	2011 ~ 2012
24	Design, Supply and Installation of Rehabilitation of 132kV KIYUNGI Substation / Tanzania	Engineering & Design Works	GS E&C / TANESCO, Tanzania	2011 ~ 2015

## 5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
25	Construction of Substation and HVL 500/220/110kV on Direction Ashgabat-Balkanabat-Turkmenbashi / Turkmenistan	Engineering & Design Works including preparation of Technical Specification	Samsung Engineering Co., Ltd. / Turkmenistan	2012 ~ 2013
26	TIHAMA Cogeneration Expansion Project Stage-II , 230kV / Saudi Arabia	Engineering, Procurement & Supervision for Site Works	Hyundai Heavy Industries Co., Ltd. / TIHAMA Power Generation Co., Ltd.,	2012 ~ 2015
27	132kV Meghna River Crossing Tower at Tetia-Kanainagar Point / Bangladesh	Project Management & Procurement Services	Consortium of Hanbaek Co and Sejong Corp. / PGCB, Bangladesh	2013 ~ 2015
28	132kV double circuit underground cable replacing existing Tongi-Mirpur 132kV transmission line / Bangladesh	Project Management & Procurement Services	Consortium of Hanbaek Co and LS Cable. / PGCB, Bangladesh	2013 ~ 2014
29	Iraq West Qurna Phase-2 Project. (TR yard. 132kV & 33kV)	Engineering & Procurement	Sean Enc. / MOE, Iraq	2013 ~ 2014
30	BTIP Upgrading 4 x 220kV Substation Project / Tanzania	Engineering, Procurement and Supervision for Installation & Commissioning	Consortium of GS E&C and Hyosung Corp. / TANESCO, Tanzania	2014 ~ 2016
31	Samcheok Green Power 1&2 Small Hydro Power Plant / Korea	Engineering & Design (Electrical + I&C)	HwaChon Plant / KOSPO, Korea	2014 ~ 2016
32	Saudi Aramco Third Party Cogeneration Projects / Saudi Arabia	Engineering & Design Works for Outgoing Gantry Area	Samsung Engineering Co., Ltd. / Power Cogeneration Plant Co., Saudi Arabia	2014
33	Saudi Aramco Third Party Cogeneration Projects / Saudi Arabia	Procurement for Outgoing Gantry Area	Sean Enc. / Power Cogeneration Plant Co., Saudi Arabia	2014
34	BNCP Social Infra 132kV Power Transmission Line / Iraq	Engineering & Design Works (BASIC)	Hanwha Engineering & Construction / NIC, IRAQ	2015
35	KUMASI 330/161kV Substation Project / Ghana	Engineering & Design Works and Supervision for Installation & Commissioning	GS E&C / GRIDCo, GHANA	2015 ~ 2018
36	JINRO Power 57.8MW PPS, 115KV Substation / Panama	Engineering, Procurement and Supervision for Installation & Commissioning	Hanil Noise & Vibration Co., Ltd. / Jinro Corp., Honduras	2015 ~ 2016. 2

## 5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
37	500kV Inter-Connection to Substation for SONGHAU-1 Power Plant(600MW x 2) / Vietnam	Engineering & Procurement	Doosan Heavy Industries & Construction, Korea / PVN, Vietnam	2016 ~ 2018
38	KARABATAN CAPP. 110kV GIS Substation / Kazakhstan	Engineering & Design Works	LSIS / Doosan Heavy Industries, Korea / KUS, Kazakhstan	2016 ~ 2018
39	66kV Substation for Daewoo Amara Hotel / Myanmar	Engineering & Design Works	LSIS / POSCO E&C, Korea	2016
40	SAN GREGORIO 230/138/69kV Substation Expansion. Lot-04 / Ecuador	Engineering & Design Works	LSIS / CELEC, Ecuador	2016 ~ 2018
41	Design, Manufacturing, Supply for 220kV & 500kV Interconnection System for LONGPHU-1 Thermal Power Plant Project / Vietnam	Design & Procurement Works	PJSC "Power Machine", Russia / PVN, Vietnam	2017 ~ Present
42	EPC CPF Phase-2 at Badra Oilfield, Iraq TR-yard / Iraq	Engineering & Design Works	Sean Enc. / Samsung Eng. /Gazprom Beft Badra B.V., Iraq	2017 ~ 2018
43	Clean Energy and Network Efficiency Improvement Project. MANNAR Transmission Infrastructure-Lot A. 220kV / Sri Lanka	Engineering & Design Works	LSIS / CEB, Sri Lanka	2018 ~ Present
44	Naga(Visayas) Substation Upgrading Project / Philippines	Design & Procurement for Steel Structure	ABB India Limited / NGCP, Philippines	2018 ~ 2018
45	Package-2 : Renovation Works of Transmission System Loan No. MY-P2 / Myanmar	Engineering & Design Works	Hyundai Engineering & Construction / EPGE, Myanmar	2018 ~ Present
46				
47				
48				

## 6. PHOTOS



- No. 7 of Section 5 - ASHUGANJ-SERAJGANJ 230KV TRANSMISSION LINE PROJECT / BANGLADESH



## 6. PHOTOS



- No. 14 of Section 5 - CHAMELIYA Hydroelectric Project Lot-1,2 &3 under EDCF Loan Agreement / Nepal



Hydro Power Generator



132kV Substation

## 6. PHOTOS



- No. 17 of Section 5 - MEGNAGHAT– AMIN BAZAR 400KV TRANSMISSION LINE PROJECT / BANGLADESH



## 6. PHOTOS



- No. 18 of Section 5 – 400KV SABIYA CCGT POWER STATION PROJECT / KUWAIT



## 6. PHOTOS



- No. 20 of Section 5 - 132KV SUBSTATION FOR BERA 70MW PEAKING POWER PLANT PROJECT / BANGLADESH



## 6. PHOTOS



- No. 21 of Section 5 - 230KV SIDDHIRGANJ SUBSTATION / BANGLADESH



Fabrication of 230kV Gas Circuit Breaker(Jan.30, 2013)



Fabrication of 230kV Transformer(Nov.09, 2012)

## 6. PHOTOS



- No. 26 of Section 5 - TIHAMA COGENERATION EXPANSION PROJECT STAGE-II , 230kV / SAUDI ARABIA



Ju'aymah Gas Plant (JGP)



Uthmaniyah Gas Plant (UGP)

## 6. PHOTOS



- No. 35 of Section 5 – KUMASI 330/161kV Substation / GHANA



## 6. PHOTOS



- No. 36 of Section 5 JINRO POWER 57.8MW PPS, 115KV SUBSTATION / PANAMA



115kV Substation for JINRO Power 57.8MW PPS




JINRO Power 57.8MW PPS

## 7. ISO 9001



International Certification Registrar



### Certificate of Registration

This is to certify that :

**FORTEK INC.**  
904, Daerung Techno 13-cha, 24 Gasandigital 1-ro, Gumi-si, Gyeongsang-do, Korea

Has been assessed by International Certification Registrar Ltd., in respect of their Quality Management Systems and found to comply with

**ISO 9001:2015**


Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times.




**Certification Scope**

1. Planning and Consultancy in Power Transmission & Distribution
2. Electrical Engineering, Supply & Erection for High-Voltage Apparatus


Certificate Issue Date : 09th December 2016    Initial Issued Date : 09th December 2016  
Expiration Date : 08th December 2019    Certificate No. : Q297716

The Seal of ICR Limited was here to affixed in the presence of :

  
 President

International Certification Registrar



### Certificate of Registration

**품질경영시스템인증서**  
**(주)포텍**  
서울시 금천구 가산디지털1로 24, 904호 (가산동 대림13차)

ICR 은 상기업체의 품질경영시스템이  
아래의 인증규격에 적합함을 인증합니다

**ISO 9001:2015**


인증관련 규정을 항상 준수한다는 조건으로 등록승인을 부여합니다.




**인증범위**

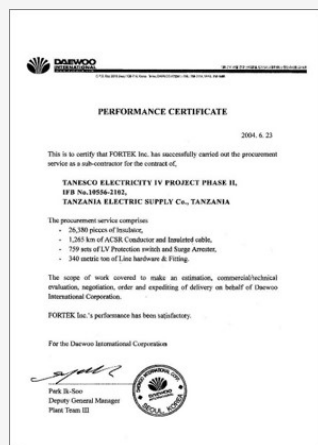
1. 전기설계(시설물) 및 컨설팅
2. 전기자재 무역

인증일자 : 2016년 12월 09일    최초 인증일 : 2016년 12월 09일  
유효기간 : 2019년 12월 08일    인증서 번호 : Q297716

The Seal of ICR Limited was here to affixed in the presence of :

  
 President





<b>JINRO</b>	
To whom it may concern,	
We, <b>JINRO CORPORATION</b> , certify that <b>HY-ROTOR INC.</b> who is registered company under the law of <b>USA</b> , is/are <b>Eligible</b> to <b>work</b> . <b>Place</b> performed the <b>ELAB</b> Substation in the <b>Republic of Korea</b> is/are,	
<b>Project</b>	<b>JINRO ROVER 230KV P&amp;E</b>
<b>End Client</b>	<b>JINRO-230KV-03/03/08</b>
<b>Date of Completion</b>	<b>February 29, 2015</b>
<b>Scope of Work</b>	<ul style="list-style-type: none"><li>• Design of 230KV Substation in "Taehwonsong" - "H"</li><li>• Design of 120KV Substation Equipment</li><li>• Outdoor "ELAB" substation</li><li>• Test and Control Panel</li><li>• Delivery and Change in</li><li>• Safety Measures</li><li>• Construction and P&amp;ID</li><li>• Supply of 144V Transformer in the Material</li><li>• Power Test</li><li>• Construction and DSO</li><li>• Provision Strong Steel and Change for O&amp;M</li><li>• Delivery and Change in</li><li>• Supervision Works</li></ul>
We also certify that "HY-ROTOR INC." has carried out the work in accordance with the terms of contract for such projects.	
The contractual value has been complied with the restrictions of all notices.	
Sincerely yours,	
<b>Name</b>	 
On Behalf of <b>JINRO CORPORATION</b>	

**PORTER'S ACTIVITIES**

- Design for Construction, Technical coordination during bidding stage (from Nov. 2012)
- Detail design & engineering, Calculation, QS of quantities, Technical assistance of tender process etc Supervision for site work (from April 17, 2013 till June 30, 2015)

We also on May 19th 2015 PORTER Ltd. have earned and the marks in accordance with contractual specifications in their activities from activities all parties.

Tianjin Tsinghua Univ.

**GS Engineering and Construction**  
Vice President

  
**Huayan Zhang**

## 8. END USER'S CERTIFICATES



**HYOSUNG CORPORATION**  
Date: May 15, 2016

**PERFORMANCE CERTIFICATE**

This is to certify that HY POWER INC., 10449 as a SUBCONTRACTOR for design and engineering works, have executed the following activities from 01/11/2014, 2014. They have successfully carried out their planning works for the project from the starting stage to the completion of the project. We have therefore completed the project successfully and obtained the O&C (Operational Acceptance Certificate) from TANSOCO, on 01/11/2015.

**PROJECT NAME**  
DESIGN, SUPPLY AND INSTALLATION FOR UPGRADE 220KV SUBSTATION IN TOWN OF BIRSA, DODOPA, DONGDA AND SHINHANGI IMPLEMENTED STATE TONGSAI PROVINCE AND TONGSAI PROVINCE IMPLEMENTED PROJECT (STP) ON TONGSAI BASIN  
(SPECIAL IN. BIRSA, DODOPA, DONGDA AND SHINHANGI)

**PROJECT DESCRIPTION**

**1. 220KV BIRSA SUBSTATION**

1.1 New 220KV Substation in Double Bus-bar  
a. Supply and installation of two (2) Overhead line towers  
b. Supply and installation of one (1) Reactor feeder system set of 220KV  
BIRSA, BIRSA

1.2 Existing 220KV Substation  
a. Final design work from Single Bus-bar into Double Bus-bar system  
- New (2) Overhead line towers  
- New (2) Transformer towers  
- One (1) Bus coupler tower  
b. Incorporation of new (1) 6.6KV Substation Control system of all existing  
220KV, 33KV towers

**2. 220KV DODOPA SUBSTATION**

2.1 New 220KV Substation in double bus-bar  
a. Supply and installation of two (2) Overhead line towers  
b. Supply and installation of two (2) Reactor feeder system set of 220KV  
DODOPA, BIRSA

2.2 Existing 220KV Substation  
a. Modification work from Single Bus-bar into Double Bus-bar system  
- New (2) Overhead line towers  
- New (2) Transformer towers  
- One (1) Bus coupler tower  
b. Incorporation of new (1) 6.6KV Substation Control system of all existing  
220KV, 33KV towers

**HYOSUNG CORPORATION**

**FORSTER'S ACTIVITIES**  
Forster Design & Engineering Inc., Contractor, has of quantity technical evaluation of tender price and Supervisor for take mark (Item No. 17, 2014-18 June 20, 2014)

We are HYOSUNG CORP. FORSTER INC. have carried out the work in accordance with contractual specifications and the activities have been carried out.

YOUR FAVORITE

**HYOSUNG CORPORATION**  
Project Manager

  
TAR KYUNG YUN

Thank you!

