

**Korea Communications  
Engineers (KCE) Co., Ltd..**

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# 1. Introduction

We, Korea Communications Engineers ( better known as 'KCE') are the one providing the domestic and overseas clients with high quality services on telecommunication system.

Since established in 1994 by current key engineers having over 30 years experience in telecommunication business, we have satisfied diverse customer requirement with the most valuable management skills and expertise required for each project.

Performing the contract awarded by such as United States Army in Korea, we have continuously accumulated extensive technical know-how in the field of telecommunication system services: design, engineering, furnishing, installation, maintenance / repair of various communication facilities and management information systems. As developing requirements for modernization of telecommunication and information system, the accumulated know-how has made considered KCE as one of the most appropriate partner for those who are looking for a reliable potential partner in Korea.

While maintaining our support and partnership to help you achieve your goal, we have become the world-class technologist with the reputation of being the most suitable partner in telecommunication systems. We will continue to play the key role in applying the latest technology and share the experience with current and potential clients.

KCE, with its extensive experience and expertise in telecommunication system, is always ready to provide potential customer with the best services. We hope to achieve greater client satisfaction and trust with customer-oriented management.



## 2. Business Area

KCE has been doing its utmost to accumulate know-how through participating in high-tech businesses offering highly advanced technologies, in order to aggressively respond to the sweeping changes of the telecommunication and information system environment. At present, we have been stable market competition while taking part in the following categories of business ;



- \* Design/engineering/installation/maintenance/operation of transmission systems.
- \* Mobile telephone switching system, electronic switching system.
- \* Outside plant cable( copper and fiber optic cable), distribution system, broadcasting system.
- \* ATC and Navigational aid system.
- \* Electrical distribution system.
- \* Computer system, office automation .  
equipment such as PC, printers, plotters, mass storage devices, modems, fax machines and all peripheral equipments.



# Transmission System

KCE, with highly skilled engineers and technicians assigned to its project implementation department, has successfully completed various scale of transmission system projects. Meanwhile, KCE has accumulated an extensive experience and a state of the art technique for design and engineering of the following transmission system.

- a. FIBER OPTIC transmission systems
- b. Coaxial transmission systems
- c. PCM systems of both European and North American standard systems
- d. Digital microwave transmission systems
- e. Analog microwave transmission systems
- f. Trunked radio systems
- g. CATV system with Headend equipments and Satellite Antenna system
- h. Mobile telephone communication system
- i. Tower and Antenna (AM, FM and M/W)



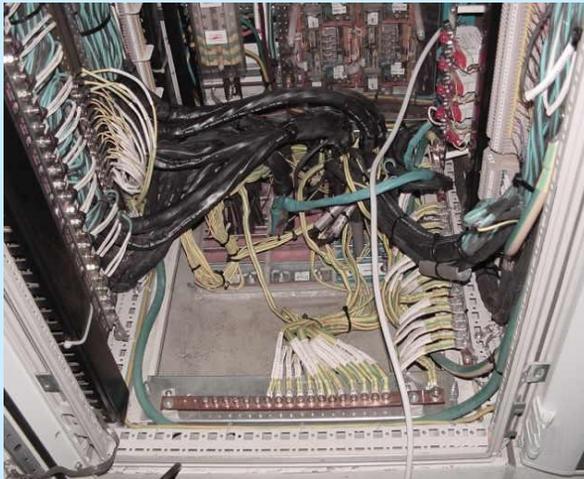


# Switching System

KCE's engineers and technicians have an extensive experience in the field of installation and commissioning, maintenance and operation of switching system through completing vast number of domestic and overseas projects.

KCE is confident to satisfy our client with our technical know-how on the following Electronic Switching system and Electronic Private Automatic Branch Exchange systems.

- a. High capacity electronic switching systems
- b. Small/Medium capacity EPABX systems





# Cable System

KCE has provided our client with Outside Plant Cable distribution systems across the country, serving as transmission media for PCM and a fiber optic cable transmission system, after directly participating in survey, design, installation, testing and engineering.

The following Outside Plant Cable distribution systems conducted by KCE are currently in service.

- a. Telephone subscriber, and distribution of outside cable plan
- b. Telephone trunk cable plant for cable transmission system
- c. Telephone trunk cable plant for FIBER OPTIC and Coaxial cable transmission and Fiber Optic transmission system





## Electrical work

KCE with highly skilled engineers and technicians has gained most valuable expertise through direct participation in many electrical construction works.

Specially, KCE has a good reputation in construction and installation of high tension power line with tower and transformers.

KCE has performed the following works;

- a. Electrical transmission tower foundation construction works.
- b. Installation of electrical distribution lines with its related equipment.
- c. Installation of electrical power transformer.
- d. construction and installation of high tension power line
- e. Installation of building electrical distribution lines
- f. Installation of street lighting systems





## Electronics Repair Services

Electronics repair department fully equipped with line of testing instrument at KCE, with highly skilled engineers and technicians, has achieved customer satisfaction with its repair services for all kind of Air Traffic Control, Navigational aid system, OA equipment purchased from domestic and overseas countries. Also, we have good reputation for network construction services.

At present, KCE retain an incomparable ability to provide the following services.

- a. Air Traffic Control and Navigational aid system.
- b. Main frame computer system and microcomputers and workstations
- c. PC, printers, plotters, scanners, modems, Fax machines and all sort of peripheral equipment.
- d. Installation and maintenance of LAN and WAN systems.





## 3. Organization

KCE sets up the most efficient project management organization depending on the type of work and size of the projects awarded by our client. This organization help KCE provide high quality services which customer want to have and compose the most suitable team for new projects to carry out any tasks required by contract. Through project management organization, KCE had never any failure to perform the tasks required by contracts that we had in the past.

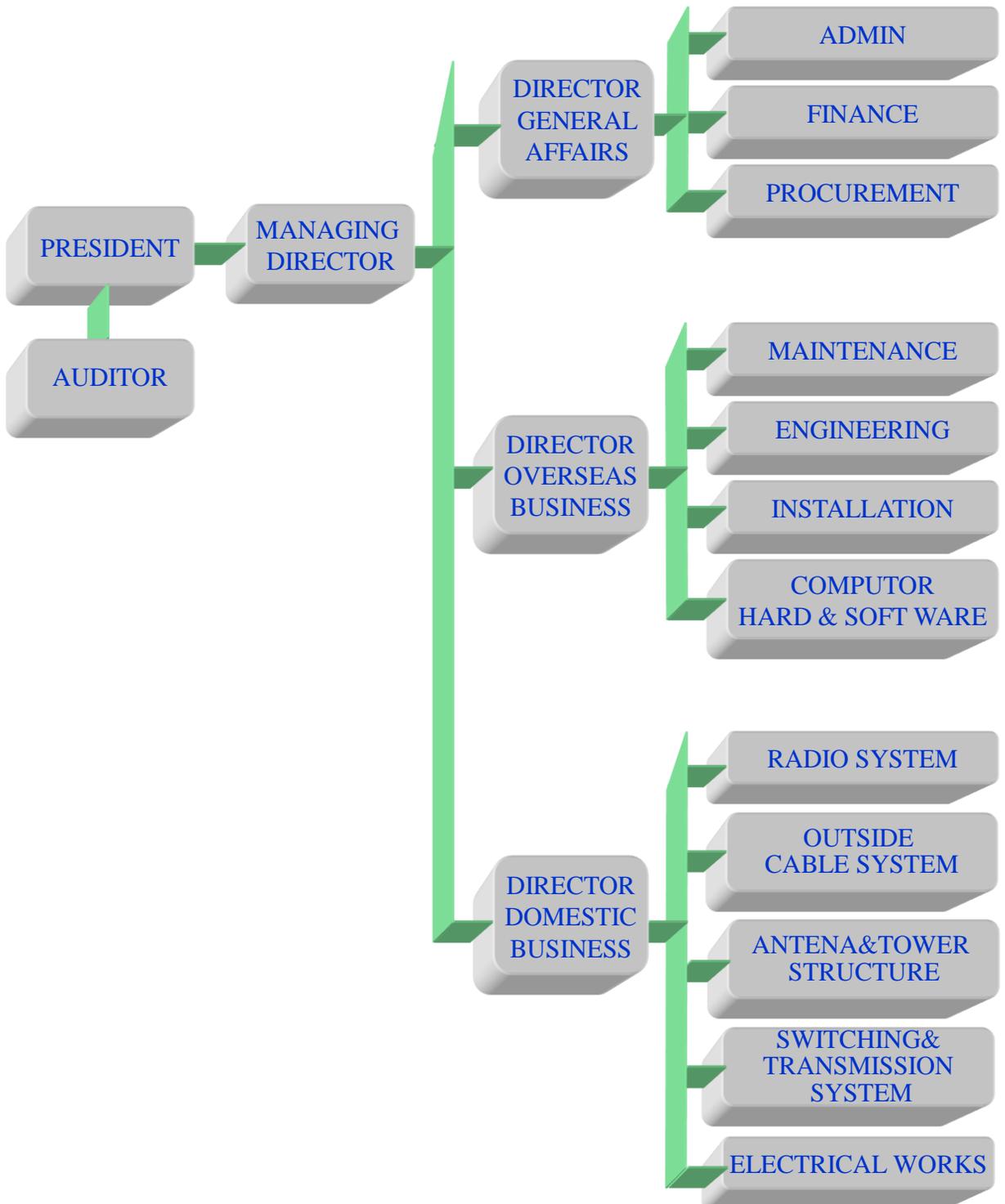
One of the most suitable KCE' directors, who have extensive experience and know-how accumulated through managing the many large scale project of domestic and overseas, is assigned to a project and then the director adopt proper team organization structure to be executed during the life of the project.

KCE have successfully completed vast projects under close management provided by KCE' organization operation.





# Organization Structure





## 4. Manpower Resource

One of KCE' most merit is to have technicians and engineers of superior ability, all of whom have the competitive power on domestic and overseas market. These manpower resources include these technicians and engineers who gained their utmost technical and expertise for design/engineering, installation and commissioning, maintenance and operation of telecommunications systems, FIBER OPTIC Cable System, Trunked Radio system, Mobile telephone system, CATV system, electrical systems, computer systems, OA equipment and LAN systems through their direct participation in various types of telecommunication works.

KCE has supported our technicians and engineers continuously to develop their skills on the latest technology and managed them to carry out given project.

### Engineers & Staffs

Experience Classification	20 Year & Over	10 Year 19 Year	5 Year 9 Year	Below 5 Year	Sub-total
<b>1. Design &amp; Engineering</b>					
Radio System Engr.	3		1		4
Electrical Engr.	2	1	1		4
<b>2. Information &amp; Comm. Engr.</b>	2	1			3
<b>3. Computer Engineering</b>	4	6		3	13
<b>4. Installation &amp; Testing</b>					
Radio system Engr.	2	2	4		8
Cable, Fiber Optic Cable System Engr.	10	8	8	5	31
Electrical Engr.	2	2		1	5
Civil Works Engr.	1	2	1		4
QC/Safety Engr.	1	2	3		6
<b>5. Administration</b>					
General Administration	5	3	3	7	18
Finance & Accounting	2		1		3
<b>TOTAL</b>	<b>34</b>	<b>27</b>	<b>22</b>	<b>16</b>	<b>99</b>