

## CURRICULUM VITAE (CV)

<b>Position Title and No.</b>	Team Manager/GIS Engineer
<b>Name of Firm</b>	KDN(KEPCO KDN Co., Ltd.)
<b>Name of Expert:</b>	Jang Suk-Weon
<b>Date of Birth:</b>	25 / 08 / 1961
<b>Citizenship</b>	Republic of Korea

### Education:

---

1990                      Incheon University, Korea / Bachelor's degree in Electronics Engineering

---

### Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
Nov., 2012 ~ Dec., 2012	<ul style="list-style-type: none"> <li>●Employer: KDHC</li> <li>●Title: Consulting Service and supply of Power GIS Tool software / Project Manager</li> <li>● Kim Hak-hyun, +82 31 702 7238, Manager, IT Planning TF, Korea District Heating Corp.,</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● Providing of consulting service of distribution facility information system and supply of Power GIS Tool software developed by KDN.</li> </ul>
Sept., 2011 ~ Dec., 2011	<ul style="list-style-type: none"> <li>●Employer: KEPCO</li> <li>●Title: Project of underground low-voltage customer service lines network detection and DB maintenance process established / Project Manager</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● Verification of equipment for underground low-voltage customer service lines network detection               <ul style="list-style-type: none"> <li>- Verify the accuracy of the Line-Finder</li> <li>- Application of the test for site investigation</li> </ul> </li> <li>● Underground low-Voltage customers DB maintenance process established               <ul style="list-style-type: none"> <li>- Field survey of the underground low-Voltage service lines</li> <li>- Establishment of the research information entry and quality control processes</li> </ul> </li> </ul>
Sept., 2009 ~ Aug., 2010	<ul style="list-style-type: none"> <li>●Employer: Electric Power Public Tasks Evaluation &amp; Planning Center</li> <li>●Title: Feasibility study for distribution information system to modernize power distribution system management in Paraguay / Project Manager</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● Feasibility study report writing for business promotion distribution facility information for Paraguay               <ul style="list-style-type: none"> <li>- Distribution systems and equipment associated with the collection of field data, user needs analysis and economic review</li> <li>- Stepwise approach to cost evaluation is presented schematically</li> <li>- Presenting the overall system configuration scheme for the efficient performance of the distribution business</li> </ul> </li> </ul>

June, 2009 ~ Dec., 2009	<ul style="list-style-type: none"> <li>● Employer: KEPCO</li> <li>● Title: Development of total web system for distribution outage statistics and cause analysis of distribution accident outage / Project Manager</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● Development of web system and DB of the outage-information will be integrated. <ul style="list-style-type: none"> <li>- By using the outage information in the past, is root cause analysis</li> <li>- Data collection of distribution outage details in the data on the server.</li> </ul> </li> <li>● Data associated with the development of the system interface of SCADA, DAS, SOMAS and AMR. <ul style="list-style-type: none"> <li>- More accurate than the electrical output quality, reliability index.</li> <li>- AMR real-time information linking a power outage.</li> <li>- DAS operates a chain of real-time information link.</li> <li>- SCADA CB on-off information</li> <li>- Real-time interface</li> </ul> </li> </ul>
May., 2007 ~ July., 2007	<ul style="list-style-type: none"> <li>● Employer: KEPCO</li> <li>● Title: Development of distribution planning support system of investment management / Project manager</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● Development of input planning equipment with GIS system and to calculate the cost of planning project, resources for feeder lines. <ul style="list-style-type: none"> <li>- Unit of the budget for the planning project management and cost management systems for a comprehensive review.</li> <li>- Selected as the best feeder lines with the GIS system.</li> </ul> </li> <li>● Business applications for the budget management. <ul style="list-style-type: none"> <li>- To calculate the cost of project type (install, expansion, extension, remove).</li> <li>- Management of the investment management committee.</li> <li>- Distribution facilities management of enterprise investment budget.</li> <li>- The data management for review the load on the distribution lines.</li> </ul> </li> </ul>
July., 2007 ~ Dec., 2007	<ul style="list-style-type: none"> <li>● Employer: KEPCO</li> <li>● Title: Development the Web-GIS system, a version upgrade for the existing GIS tool and improve performance / Project Manager</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● Development of the Web-GIS for read only <ul style="list-style-type: none"> <li>- A version upgrade for the GIS tool of NDIS</li> <li>- Development Web-GIS system and system interface all distributed region office's GIS servers.</li> <li>- GIS S/W version migration of the NDIS(New Distribution Information System).</li> </ul> </li> <li>● To improve system speed improvements and enhancements for the data model. <ul style="list-style-type: none"> <li>- The operation of the GIS DB migration.</li> </ul> </li> </ul>
Jan., 2012 ~ Current	<ul style="list-style-type: none"> <li>● Employer: KEPCO</li> <li>● Title: Maintenance and development of NDIS (New Distribution Information System) / Team manager</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● The maintenances and developments of NDIS (New distribution management system). <ul style="list-style-type: none"> <li>- Distribution planning system part.</li> <li>- Distribution design system part</li> <li>- Distribution construction part</li> <li>- Distribution operation part</li> <li>- Distribution maintenance part</li> <li>- Distribution GIS DB management part</li> <li>- Distribution general system not include NDIS</li> </ul> </li> </ul>
Mar., 2007 ~ Dec., 2012	<ul style="list-style-type: none"> <li>● Employer: KEPCO</li> <li>● Title: Maintenance and development of facility operation, maintenance, planning system parts of</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● The system maintenances of facility operation system parts with in New Distribution Information System. <ul style="list-style-type: none"> <li>- Outage management system</li> <li>- Special equipment management system</li> <li>- Distribution technical computing system</li> </ul> </li> </ul>

	NDIS(New Distribution Information System) / Part leader		<ul style="list-style-type: none"> <li>- Skeleton diagram management system</li> <li>- Statics system</li> <li>- Web-GIS operation system</li> <li>- DAS &amp; SCADA interface system</li> <li>● The system maintenances of maintenance system parts with in New Distribution Information System.</li> <li>- Patrol management system</li> <li>- Field crew management system</li> <li>● The system maintenances of planning system parts with in New Distribution Information System.</li> <li>- Long-term distribution planning system</li> <li>- Voltage drop/load analysis system</li> <li>- Calculation of load forecasting</li> <li>- Investment budget management for the distribution networks</li> </ul>
Aug., 1999 ~ May., 2005	<ul style="list-style-type: none"> <li>● Employer: KEPCO</li> <li>● Title: Building of NDIS DB project / Leader of the GIS technology</li> </ul>	Korea	<ul style="list-style-type: none"> <li>● Building of distribution GIS DB project</li> <li>- Preparation guidelines for the GIS DB projects.</li> <li>- Development of the distribution facility management system.</li> <li>- Data input the base-map to GIS DB.</li> <li>- Data input the overhead and underground facilities.</li> <li>- Field survey the distribution facilities.</li> <li>- Management of quality management activities.</li> <li>- Development of the existing DB transition</li> </ul>

**Membership in Professional Associations and Publications:**

Since 2003    Advisory Board of National Geographic Information Institute (NGII)

---

**Language Skills (indicate only languages in which you can work):** \_\_\_\_\_

English and Korean

---

**Adequacy for the Assignment:**

<b>Detailed Deliverables Assigned on Consultant's Team of Experts:</b>	<b>Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks</b>
Final report Final summary report	<ul style="list-style-type: none"> <li>● Feasibility study for distribution information system to modernize power distribution system management in Paraguay. (July 2010)</li> </ul>
Reports of the KEPCO projects submitted  Project Final reports  Project monthly progress reports  Project weekly progress reports	<ul style="list-style-type: none"> <li>● Software development services contract from KEPCO</li> </ul>