



Sum Engineering

Company Introduction

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1. Overview

No1. Information & Communication Technology Company - SUM ENGINEERING



Mutual	Sum engineering
CEO	Gyu-nam hyeon
Industry	Information and communication Business / communication equipment /software Development
Capital	250,000,000won
Established	June, 22, 2000
homepage	http://www.sumeng.kr
Business Address / Telephone	
(Headquarters)	Jejudo jeju-si oedo 1dong 639-3 jangwon building kadong #501 / T.064)712-0467 F.064)712-0486
(ICT Division)	Jejudo Jeju-si Ido 2dong 1176-67 Jeju Venture Maru #808 / T.070)7774-5299 F.064)756-0468

Our Sumengineering is an Information and communication Technology company providing service on R&D, installment, maintenance and technical support, and expanding business by supplying development of disaster solution, building weather observation system, linkage of database, and security solution on server and network as one of the best company in Jeju-do.

We make a greater effort to meet client's expectation by the outstanding technology ad quality through prior and post management service, development of new technology and etc.

2. History

No1. Information & Communication Technology Company - SUM ENGINEERING

General
 Mobile Communication
 Government Work
 Luggage Service Facilities

Designated as a solution provider for emergency control and disaster prevention by Korea Broadcast and communication Committee

Designated as a company to perform 2010 regional industry skills development project (Industry and technology agency)

Facility improvement project including development of Automatic voice notification system, replacement for aged facilities

USN Integrated observation system maintenance (weather)

Disaster broadcasting system maintenance service (Jeju-si, seoqwipo-si Jejudo)

10'

Opened new branch office in Jeju venture maru (ICT division)

Designated as a Promising enterprise growth business

Became a holder of ISO9001 Quality management

Verification leading business linkage broadcasting & Weather conditions Smart infra constructure (Korea information agency) USN Integrated observation system maintenance (weather)

Disabled Business(010020090001)

Nominated as a project performer for devices and equipments procurement and building construction for replacing old facilities with enhanced Automated voice notification system introduction (Jeju-do)

Aged Rainfall observation system replacement construction

LG Telecom 2009 PCS base station and Jeju station repeater maintenance contract

Disaster, alarm system maintenance service agreement

09'

2. History

No1. Information & Communication Technology Company - SUM ENGINEERING

General Mobile Communication Government Work Luggage Service Facilities

2008 interactive mobile TV service construction business
(Jeju-CS consortium)

Jeju measurement of rainfall construction
(Jeju special self governing province)

1-1 small business link support businesses

Jeju modern art gallery website development

An exellansion equipment procurement for an electronic document system
(Seogwipo city hall)

LG Telecom 2008 PCS base station and repeater maintenance contract

LG Telecom repeater construction

2008 KT NESPOT Biz/Zone maintenance contract

08'

Real Telecom wireless base station maintenance

ETRI technology transfer (ZigBee and WLAN linked AP technique)

KT Jeju station construction center a jurisdiction NESPOT facilities
construction cotract

LG Telecom 2005 PCS base station and repeater maintenance contract

LG Telecom subminature repeater removal and optimization
management in trust contract

LG Telecom In-Building equipment construction contract

Hawon elementary school's classroom, extension for bathroom
and major repair for bathroom telecommunications business contract

CCTV conctract business contract

07'

2. History

No1. Information & Communication Technology Company - SUM ENGINEERING

General
 Mobile Communication
 Government Work
 Luggage Service Facilities

LG Telecom 2006 PCS base station and repeater maintenance contract
 LG Telecom subminiature repeater removal and optimization management
 LG Telecom In-Building equipment construction contract
 LG Telecom RF repeater construction contract
 LG Telecom base station the different vlv contract
 KT NESPOT Seoqwipo KAL Hotel and 81 others
 Jeju's IT association participate

Samyang Elementary school class and facilities for providing-cum-multipurpose extend telecommunication business
 KT Jeju national university U-campus construct wireless network plan and facilities construction
 LG Telecom 2005 PCS base station and repeater maintenance contract
 E-PCS dispersed repester stonepark and 6 places contract

06'·05'

KT NESPOT Jeju area Family mart and 78's Nong-hyup
 Built about fishing village(Bukjeju-office)
 Communication NETWORK extension construction for Jeju (fishing village building construction)
 Culture house telecommunication NETWORK construction (Jeju city hall)
 LG Telecom 2004 PCS base station and repeater maintenance contract
 L'Pico distributed repeater facilities construction including Jeju hotel and the other 2 places
 Registration of entrepreneur Korea software

KT NESPOT facilities construction and repeater maintenance contract in KAL Hotel and the other 357 places
 LG Telecom NOTCH repeater, big repeater facilities contract
 LG Telecom 2003 PCS base station and repeater maintenance contract
 Hantel L'pico dispersed repeater Jeju Hotel facilites construction

04'·03'

Establishment capital invest at JS softech
 LG Telecom NOTCH repeater, big repeater, L'Pico construction
 LG Telecom 2003 PCS base station and repeater maintenance contract

Capital increase (capital stock 3thousand 8hunded, Total 1hudred million 8 thousand 8hundred)
 Office relocation (Jejusi oedo 1dong)
 Jeju National police CATV broadcast system
 LG Telecom IMT-2000 participate consortium
 LG Telecom 2005 PCS base station and repeater maintenance contract

2006 June established a branch (CEO yong-gook Sin)
 -Capital 1 million 5thousand
 Information communication business registration
 LG Telecom PCS base station and Jeju station repeater maintenance contract

02'~00'

3.Vision

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Leading construction company with experience

- Construction and demolition of Telecommunications facilities
- Construction of In-Building communication infrastructure and NESPOT
- Establishment and opening of various communication equipment

Vision

The best IT specialized compaines

- Operating experience on wireless paging, TRS, cityphone, CDMA, NESPOT
- Technical cohesion with presistent corporate partners

The best technology company specialized in outsourcing.

- Strategic alliances with leading companies in Korea
- Technology transfer through universities and research institutions
- Building disaster
- CEO's determination for RFID/USN specialization

4. Organization chart

No1. Information & Communication Technology Company - SUM ENGINEERING



Part02.

Business Area

No1. Information & Communication Technology Company - SUM ENGINEERING

1. Research & Development
2. Disaster
3. Weather
4. Mobile
5. Sever & Network Security

1. Research and Development

No1. Information & Communication Technology Company - SUM ENGINEERING

Development Smart - Phone APP

Application development of recently spotlighted smart phone

Development

- Tourism field
- Meteorological data representation
- Disaster broadcasting field

Case studies

- Replacing old equipment and facility of automated voice mail system
- Additional improvement projects on rainfall data representation App. using a smart phone

I phone



Android phone



1. Research and Development

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Automated Voice Notification Device

Various forecast warnings, with real-time emergency broadcast aiming to protect life and property.

Development

- Broadcasting and telecommunication alarm
- Broadband disaster broadcasting program

Case studies

- Jeju, replacing old equipment and facility improvement project automated voice notification system
- SUM-VNS self-developed program supply/program registration 2articles

2010 Local Industrial Technology Development industry.

- Ongoing development of disaster guidance system through Broadcasting and communications convergence

Equipment



Program



1. Research and Development

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Development M2M gate way using communication Platform

Function

- Building M2M based interfaces enabling remote and mobile data communication between existing network and communication devices through M2M platform
- Transferring and manipulating data collection of remote Zigbee based sensors while complying with SKT M2M protocol specification

Case studies

IP-USN leading business link verification project (2009- Korea information Agency)

- Project managing in Broadcast network - based meteorological environment, infrastructure construction project
- Performing 2009 government funded regional partnership project developing a disaster solution related device



1. Research and Development

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Situation, Control system

Building expression system - Based through linking existing infrastructure

- CCTV
- Meteorological observation data
- linkage of disaster broadcasting

Case studies

Replacing old equipment and facility improvement projects on Jeju automated voice mail system

- Proposal of 3D situation/control system through google API



1. Research and Development

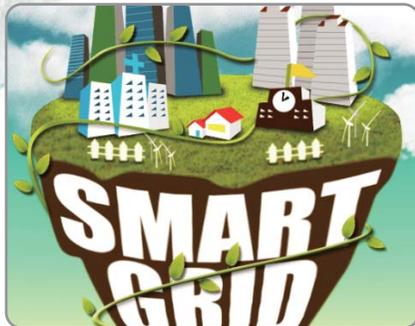
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Smart Place

- Reducing quantity of electricity at home using intelligent electric network
- Providing electric and computer powered devices enabling home monitoring and the integrated control center monitoring as well as Data connection between integrated control center and home networks

Case studies

Participating in Jeju Smart Grid demonstration project in Jeju smart place division
One of member companies in SK Telecom consortium



2. Disaster

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Building integrated dispatch

- Monitoring equipment
- Network equipment
- Power backup
- Construction of control room



Automated Voice notification system

- Outdoor broadcasting equipment in local self-governing city and province
- Emergency management agency of intergrated disaster equipment
- Town broadcasting and local broadcasting equipment



CCTV

- Identify communication method
- customized establishment of CCRV design



Case studies

Replacing aging facilities of automated voice mail system - 2009 (Performed jointly) 2010 (exclusive) in Jeju Special Self-Governing Province

Jeju Special Self-Governing Province Unified Dispatch Center for Disaster management and maintenance - 2009, 2010

Build Jeju-si disaster CCTV - 2007

3.Weather Business

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Rainfall Observation System

- Regional rainfall and equipment installation
- DB Design for weather Observations
- Data processing and mobile driven transmitting



AWS, U-AWS

- Automatic warning system establishment using AWS, wireless and M2M communication
- Data processing and mobile driven data transmitting



Snow Water gauge

- Data collection and data processing and mobile driven data transmitting to meet various measures and standards



Case studies

Jeju rainfall observation system-2008,2009

USN Integrated establishment Meteorological Observation System - 2009

Jeju Island Road Management Agency Ltd.- 2008

4. Mobile

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Base station, a relay station, NESPOT,

Indoor/outdoor RF repeater
KT Nespot Construction and maintenance
Real telecom wireless paging equipment maintenance

Case studies

- LG U+PCS Construction and maintenance of stations and repeaters (2000~now)
- KT Nespot Biz Zone Construction and maintenance (200x~2008)
- Real telecom wireless paging equipment maintenance



5. Server & Network Security

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Server & Network Security

Building and maintaining of Anti Cyber-violations network (Local units CERT Linkages)
SI business
ITS network maintenance project
Network equipment supply business (HP, IBM, etc.)
SGA Jeju Distributor
Integrated Security Management System(SGA-ESM), Total Analysis Systems(SGA-ESA), server security (SGA-RC)
Vaccine(SGA-SC/Virus chaser). patch management system(PMS), Giga Firewall(NCF-10000)
SIMS(Security information management system / the Institution under Education Ministry)
Distributor of Information Security Knowledge in Jeju Island
Threat Management System(TMS), Total Security Management System (TESS UTM)

Case studies

Meteorological Information System for Environmental Resource Research Institute, Jeju
Cyber Threat Management System(TMS) ,Administrative City (Jeju City and Seogwipo City Hall)
Maintenance of Jeju violation network Security System

