

Company Introduction



WMS / Reuse Component / OODM

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Company Outline.

USING TECHNOLOGY
REUSE COMPONENT

Company Name	USINGTECH Co., LTD
Business Date	From 1999Year 11Month 01Day
Business No.	506-81-39832
President	Lee Jae Mog
Head Office	790-826, 3floor, Korea Rural Community Corporation, Saecheonnyeong-daero 422beon-gil, Nam-Gu, Pohang-city, Gyeongsangbuk-do, KOREA
Laboratory	720-833, 301, Technopark Techno bldg, Bokhyenon-dong, Buk-gu, Daegu, KOREA
Factory	790-884, 652-2, Ochen-Ri, Yeonil-Ub, Nam-Gu, Pohang-city, Gyeongsangbuk-do, KOREA
Contact	☎ +82-54-231-3500~1 Fax : +82-54-231-3506
Business Part	Automatic Material & Machinery Control System / Consulting
Employee Count	23 Person
Homepage, E-mail	http://www.usingtech.co.kr , tree@usingtech.co.kr

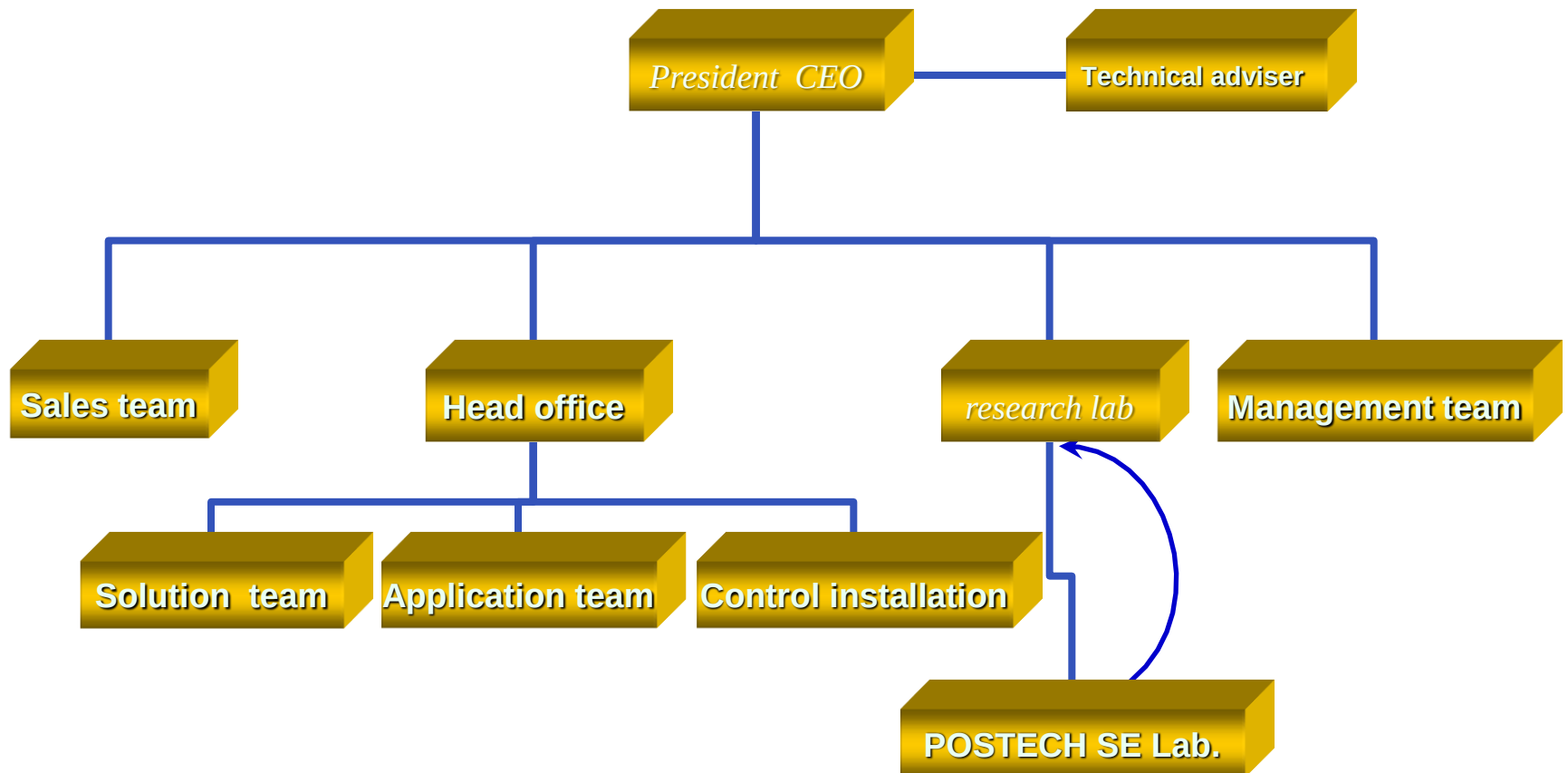
Management & Engineer

USING TECHNOLOGY
REUSE COMPONENT

Division	Name	Position	Level of education	Career
Technical staff	Lee jae -mok	president CEO	Kyungpook National Univ. B.S	POSCO, POSTECH
	Kang gyo-chul	Technical advisor	Michigan Univ. P.H.D	POSTECH vice-president
	Park sae -yul	general manager	Kyungpook National Univ. B.S	POSCO, POSCOICT, J.R
	Lee sang-hun	solution team	Yeungnam Univ. B.S	
	Kim yong-gun	leader	Yeungnam Univ. M.S	
	Son jae-yong	application	Kyungpook National Univ.	
	Jung sek-joo	leader research leader	M.S Yeungnam Univ. B.S	
Technical assistance	Kim sa-jung	Technical advisor	POSTECH Univ . P.H.D	Korea IT Industry Promotion Agency
	Lee gun-woo	Technical advisor	POSTECH Univ . P.H.D	
	Choi Hyun-sik	Technical advisor	POSTECH Univ . P.H.D	LG
	Lee jae-jun	Technical advisor	POSTECH Univ . P.H.D	LG

Organized Formation Table

USING TECHNOLOGY
REUSE COMPONENT



Company History

USING TECHNOLOGY
REUSE COMPONENT

2001 year

1	1998.01~2000.12	Development. Warehouse Management Automation Package (Association development with POSTECH)
2	2001.02.23	USINGTECH establishment – POSTECH inside
3	2001.03.25	Agreement conclusion. Warehouses and Logistics management automation. (USINGTECH vs POSCON)
4	2001.04.01	Move into POSTECH
5	2001.11.12	Technology development company selection. (Industry-Business BANK)
6	2001.12.27	Top-ranking technical company selection
7	2001.12.27	New technology business selection.

2002 year

1	2002.03.28	Small-Midium Business Administration technology development business selection
2	2002.04.01	Joining KCSC , A manufacturing industry commissioner commission.
3	2002.10.27	Three patent registration.
4	2002.12.03	Receive the grand prize (Software and digital-contents contest)

2003 year

1	2003.02.04	Head office workplace transfer. (Pohang SoftWare Assistance center)
2	2003.03.15	Venture business authentication.(the Small and Medium Business Administration , Korea Technology Credit Guarantee Fund)
3	2003.05	A Solution partner of Korean IBM.
4	2003.07	the Small and Medium Business Administration selection strategic technological innovation.
5	2003.09.05	Institute of technology establishment.
6	2003.12.22	Industry Ministry, selection business for Regional Innovation and human resources (3 years)

2004 year

1	2004.04.15	Selection for Informatization assistance business (the Ministry of Information and Communication)
2	2004.11.30	Selection for Samsung electronics IT Solution Partner
3	2004.12.03	Selection for innovations in techniques of small and medium-sized businesses (the Small and Medium Business Administration)

2005 year

1	2005.05.02	Patent registration. (Devices and a way selective a work class.)
2	2005.07	Selection for technological innovation business (Small and Midium Business Administration)
3	2005.09.28	Patent registration. (Database work control devices and a way)

2006 year

1	2006.06.30	Selection for SW - Manufacturing industry cooperation (small and medium-sized businesses CENTER in Pohang)
2	2006.07	Agreement conclusion for RFID Middleware (USINGTECH vs POSCON)

2007 year

1	2007.03	Selection for small Group Assistance business (<i>small and medium-sized businesses</i>)
2	2007.05	Selection for SW - Manufacturing industry cooperation (small and medium-sized businesses center in Pohang)
3	2007.06.30	Selection for IT - STAR venture company assistance business (small and medium-sized businesses center in Pohang)
4	2007.05	assistance business for Industry - University Collaboration (small and medium-sized businesses)

2008 year

1	2008.07	Selection for SW - manufacturing industry. Convergence company assistance business (small and medium-sized businesses CENTER in Pohang)
2	2008.10	Quality management system authentication. (ISO 9001:2000 / KS A 9001:2007)

2009 year

1	2009.04	Selection for local innovation manpower business.(Handong Univ.&) (Intelligent-type solution development for warehouse management ASP.)
2	2009.05	assistance business for Industry - University Collaboration (small and medium-sized businesses)
3	2009.11	GS authentication. (A warehouse management automation system)

Electric Control & Warehousing & Manufacturing

Warehouse Management

WMS Solution : MAGIC-I
Warehouse Simulator
POP Solution : MAGIC-P
MES Solution : MAGIC-M

Object Oriented Development Methodology

OODM

**Re-use Development
methodology**
**Object Oriented Development
Methodology**
Re-use Development area Tools

Consulting

Consulting

**Warehouses and logistics
automation construction.**
POP
MES
Re-use Object Modeling
Re-use Component

You can confirm detailed contents from the following chapters

1. warehouse management automation package
2. system development methodology
3. Consulting.

Project References

■ Electric Control & Inventory Automation System

No.	Nation	Company	Project	Year
1	Korea	POSCO	WMS for Slab/Coil Yard in No.2 Hot Mill plant	1989
2	Korea	POSCO	WMS for Slab Yard in No.2 Thick Plate plant	
3	Korea	POSCO	WMS for Cast Strand Yard in No.3 Continuous Casting plant	
4	Korea	POSCO	Slab Yard Automation System Packages	1998
5	Korea	POSTECH	Object Oriented Tools for Object Oriented Development Methodology	2001
6	Korea	MOTIE	Object Oriented Components for Industrial use	
7	Korea	KOREA LOGIS	Bertelsman Book Warehouse Management System	
8	Korea	SMBA	A Simulation model of Warehouse Management System	
9	Korea	POSCO	A Static model for Blowing control	
10	Korea	POSCO	Steelpia Framework	2003
11	Korea	POSCO	A Dynamic model for Excess Gas	
12	Korea	POSCO	Unmanned WMS for Incoming Yard in Tin-Plate plant	
13	Korea	POSCO	Unmanned WMS in F-building of No.2 Thick Plate plant	
14	Korea	POSCO C&C	Automatic Inventory Management System for No.2 CGL(Continuous Galvanizing Line)	
15	Korea	SMBA	A Component-based MES for steel plant	
16	Korea	POSTECH	Material Warehouse Management System of PAL(Pohang Accelerator Laboratory)	
17	Korea	POSCO	Unmanned WMS for Products Warehouse of No.2 Hot Mill plant in Gwangyang plant	

Project References

No.	Nation	Company	Project	Year
18	Korea	POSCO	Unmanned WMS of Re-Structured No.2 Thick Plate plant	2004
19	Korea	MOTIE	Components Supporting Tools for Steel industry	
20	Korea	YK STEEL	Product Warehousing Automation System	
21	Korea	WILLO	Container Loading Optimization System	
22	Korea	POSCO	Unmanned WMS for Incoming Yard in Electrical Steel Sheet plant	2005
23	Korea	POSCO	Unmanned Automation System using AGV for Steel Industry	
24	Korea	POSCO	AGV Management System of No.1 Cold Mill plant	
25	Korea	POSCO	A thermal efficiency monitoring system of oxygen plant	
26	Korea	POSCO	A special test management system	2006
27	Korea	Hwan-Young Steel Ind.	An Outbound WMS	
28	Korea	SEKWANG ALUMINUM	Product WMS	
29	Korea	DONGKUK STEEL MILL	WMS of Pohang Thick-Plate plant	
30	Korea	POSCO	1'st stage unmanned crane operating system in Pohang plant and interlocks between mobile station and ground equip.)	
31	Korea	POSCO	Restructuring of Control PLC of Roller Leveler in No.2 Thick Plate plant	
32	Korea	POSCO	Unmanned Crane Operation System for T4 cranes of No.2 Continuous Casting plant	

Project References

No.	Nation	Company	Project	Year
33	Korea	UNION STEEL	MTS(Material Tracking System)	2006
34	Korea	POSCO	PDA for correction of No.2 Thick plate plant	
35	Korea	POSCO	AS/RS(Automated Storage and Retrieval System for product warehouse of No.2 Thick plate plant	
36	Korea	DONGA AUTOMOTIVE	Product WMS for Automotive	
37	Korea	POSCO C&C	Automatic Inventory Integration System for Color Steel Plate plant	2007
38	Korea	POSCO ICT	MTS(Material Tracking System) using RFID	2008
39	Korea	DAEHAN STEEL	MTS(Material Tracking System)	
40	Korea	POSCO	Heavy Vehicle Control system for heavy thick plates of No.2 Thick plate plant	
41	Korea	REX Material	Product WMS	
42	Korea	POSCO	Integrated Mobile Station for correction of Thick plate plant	
43	Korea	POSCO	Control System for Incoming and Outgoing Vehicles using RFID	
44	Korea	POSCO	Unmanned Gantry Crane Control PLC for No.2 Thick Plate Plant	
45	Korea	POSCO	Performance Control System in STS APL(Annealing & Pickling Line)	
46	Korea	POSCO	2'nd stage unmanned crane operating system in Pohang plant (PLC, mobile station and vehicle positioning)	
47	Korea	SEWON STEEL	WMS for Steel Bar machining plant	
48	Korea	POSCO	AS/RS(Automated Storage and Retrieval System for Container Transform Warehouse	

Project References

No.	Nation	Company	Project	Year
49	Korea	POSCO	Access Control System using RFID for Laboratories	2008
50	Korea	POSCO	Unmanned S/Y Crane Control PLC for No.1 Hot Mill Plant	
51	Korea	POSCO	Unmanned Crane Control PLC for Electrical Steel Sheet Plant	
52	Korea	POSCO	AGV Management System of No.1 Cold Mill plant	
53	Korea	DONGKUK STEEL MILL	WMS for Slab Yard in DANGJIN Thick Plate plant	2009
54	Korea	POSCO	WMS for correction of Thick plate plant in NEW STEEL PLANT	
55	Korea	POSCO	Unmanned Overhead and Auto Pickup Crane for STS Cold Mill Plant	
56	Korea	POSCO	Access Control System using RFID for FINEX plant	
57	Korea	POSCO	WMS for correction of No.3 Continuous Casting plant	
58	Korea	ONE-JUNG CAN MANUFACTURING	Defect Removal Automation System	
59	Korea	POSCO	Access Control System using RFID for GWANGYANG plant	
60	Korea	POSCO	WMS for Slab Yard in Thick Plate plant of GWANGYANG plant	
61	Korea	DONGKUK STEEL MILL	WMS PDA in DANGJIN Thick Plate plant	
62	Korea	POSCO	Vehicle Control System of NEW STEEL PLANT	
63	Korea	POSCO	Thickness Control System in Thick Plate plant	
64	Korea	POSCO	Perspective Manager	
65	Korea	POSCO	Thickness Control System for Cast Strand	
66	Korea	POSCO	Energy Holder Control System (PLC, HMI and IPC)	

Project References

No.	Nation	Company	Project	Year
67	Korea	POSCO	Laser Line welder System	2010
68	Korea	HYUNDAI STEEL	Charging Apparatus Control System	
69	Korea	POSCO	Unmanned Auto Pick-Up Control System of No.2 Continuous Casting plant	
70	Korea	NFRI	Netural Beam Heating Apparatus Control System for KSTAR in NFRI(National Fusion research Institute)	
71	Korea	DAEHAN STEEL	MTS(Material Tracking System) in Pyeongtak plant	
72	Korea	POSCO	Thickness Measuring System in Thick Plate plant	
73	China	POSCO-CDPPC	WMS of Raw Material Yard in Thick Plate plant of	
74	Korea	POSCO	Door Service Car Management System of Raw Material Plant	2011
75	Korea	POSCO	MTS(Material Tracking System) using RFID in Pohang plant	
76	Korea	POSCO	MTS(Material Tracking System) using RFID in Gwangyang plant	
77	Korea	POSCO	3'rd stage unmanned crane operating system (PLC, mobile station and vehicle positioning)	
78	Korea	POSCO	GPS System of Laser Line welder System	
79	Korea	POSCO	Control System of LNG Combined Power Generation Facility	
80	Korea	POSCO	Establishment of Electric Furnace Current Measuring System & Cable Record management System	
81	Korea	POSCO	Restructuring of On-Line Scale Thickness Measuring Equipment for Extreme Environment	2011
82	Korea	SAMIL	Establishment of Unmanned WMS for Steel-Coil Auto warehouse	

Project References

No.	Nation	Company	Project	Year
83	Korea	POSCO	Renewal and Restructuring of Deteriorated Automation Facilities	2012
84	China	POSCO	Establishment of WMS for China-Gwangdong-CGL plant	
85	Korea	POSCO C&C	Establishment of Yard & Inventory WMS for Color Steel Plate plant	
86	Korea	POSCO	Remodeling of Mathematical Model for Hot Roll Mill	
87	Korea	POSCO	Development of P-Q Curve Testing Software	
88	Saudi	Ma'aden&ALCOA	MTS(Material tracking System) for Aluminum Mill Plant	
89	Korea	POSCO	Crane Operating System for No.4 STS Steel Making	2013
90	Korea	POSCO	Crane Operating System for No.4 Continuous Steel Making	
91	India	POSCO-IDPC	Manned WMS for Coil Yard of Cold Mill Plant	
92	Brazil	CSP	Unmanned Control System of Transfer Car of Raw Material Yard	
93	Korea	POSCO	Unmanned Control System of Transfer Car of No.4 STS Yard	
94	Korea	POSCO	Unmanned Control System of Transfer Car of Annealing Pickling Plant	
95	Korea	KOMERA	Development of Hybrid continuous steelmaking process	
96	Korea	KETEP	Demonstration of Thermo-chemically Enhanced Smart EAF Technology for Electrical Load Reduction	
97	Korea	SMBA	Development of Automation System for Defect Elimination	
98	Korea	POSCO	Crane Operating System for STS No.4 Continuous Steel Making	
99	Korea	POSCO	Gas Management System	
100	Korea	LOTTE E&C	Monitoring and Control System for Reusing of domestic sewage	
101	Inni	POSCO-PTKR	Monitoring and Control System for The Environment	
102	Korea	POSCO	Quantification System of Raw Material and Electricity In Enclosed EAF	

Project References

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No.	Nation	Company	Project	Year
103	Korea	POSCO	The Development of Electrode Bar Control System in DC EAF	2014
104	Korea	POSCO	Development of The Monitoring System for The Total Security	
105	Brazil	POSCO	Development & Supervising for Control PLC of T-Car	
106	Korea	POSCO	Improvement of Induction Furnace of STS No. 4 STS Steel Making	
107	Korea	SMBA	The Development of The General WMS	

※ Inventory Automation Package References : 36 Sites

