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	(Monterey)
	- 2003. 5. 14
	- 2 2003. 5. 15
	- :2003. 5. 16
가	, , & , , , , , (IMS 3 + 2)
	- :
	- :
	- IMS : (), ()

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IMS (CCI: Community of Common Interests)

- IMS
- 2002 “Die and Mould Design and Manufacturing Network”
“Safety” 가
- “NANOFEM(Nano-Technology in Future Emerging Manufacturing)” 가

IMS Project Portfolio

- :17 • 24 (21+ 3)
• :17 •Outline :12
- •Total Product Life-Cycle Issues: 36%
•Process Issues: 40%
•Strategy/Planning/DesignTools:13%
•Human/Organizational /SocialIssues: 4%
•Virtual/Extended Enterprise Issues: 7%

IMS

- IMS Project Forum:2004 5
- 2nd IMS Vision Forum & Engineering Curriculum Workshop: 2005 4

IMS 2 (NIWG)

- 1)
-2005 4 1 IMS 2
- ISC 15
- 2) NIWG
-1 (ToR) • 2 NIWG
(2003.8,2003.11) ISC 17
- 2004
- 3)
- (, ,)
• : 가
- (funding)
• : 가
• : 가

(IRS)

- 1)
- (2002.6.1)
- (NAM: National Association for Manufacturers, 15,000 가)
)가 3
- IRS IMS 1 (2005.4.30)
- 2)
-2002 :USD821,249(USD1,026,222 80%)
-2003 :USD960,318 *1/4 : 72%
- 3) 1 (reserve)
-2002 :USD1,592,417
- : 가 USD92,417 2 USD1,500,000
,2003 (50%),2004 (40%),2005 (10%) 3
- 2003, 2004, 2005

IMS - MATRIX

>[francis_pahng@zionex.com]

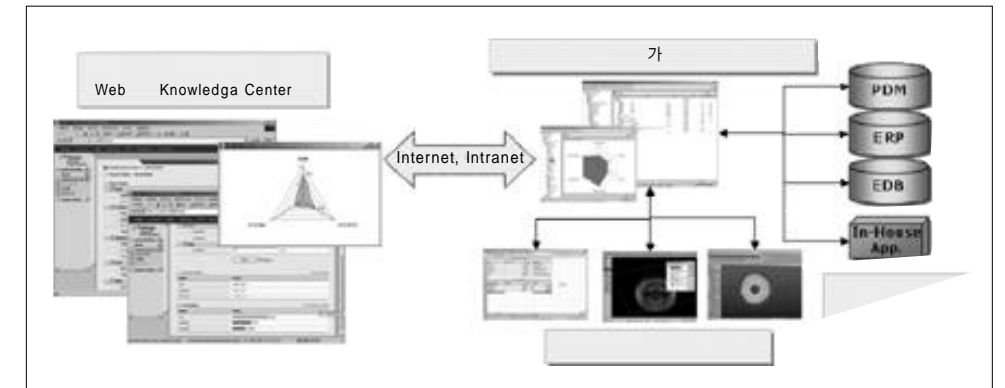


가 . MATRIX 가 ,
 IMS-MATRIX 40 3 / 1 가 ,EU, , ,

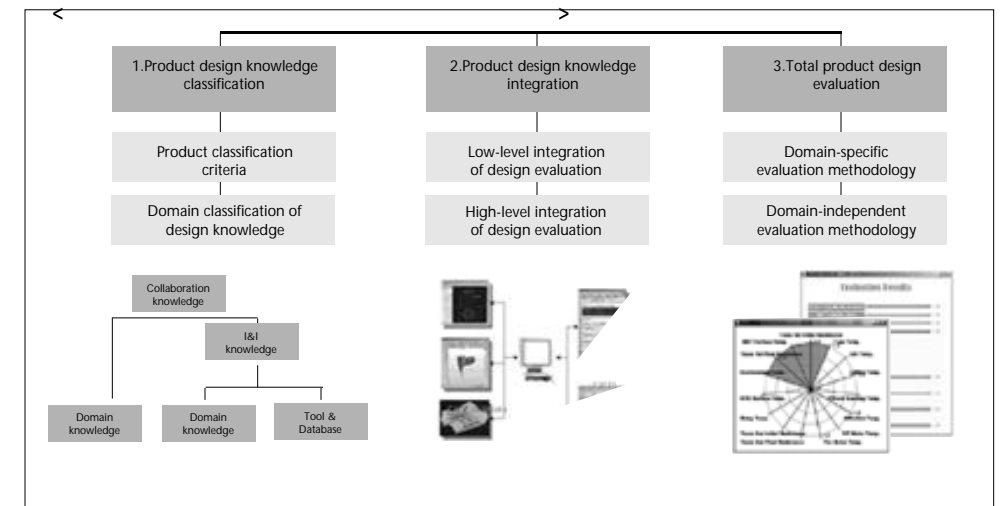
“ ”
 가

가 가
 CAD, CAE, S/W, Spreadsheet S/W, Mathematical S/W
 MATRIX T3Design CO MIT DOME

<T3Design CO >

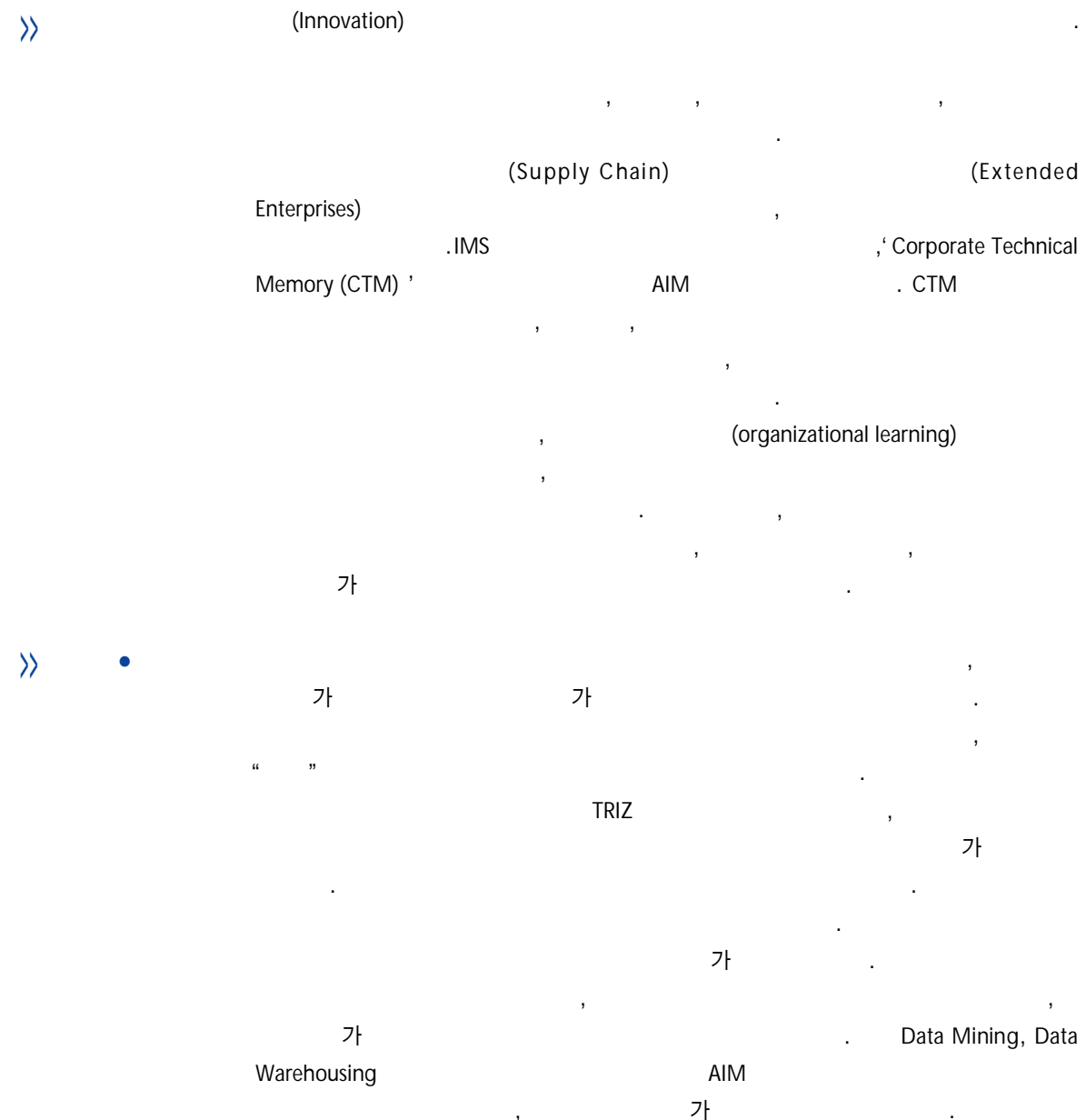


가 . ,
 .MATRIX
 (domain)
 가 .



IMS-AIM

>[npark@kitech.re.kr



IMS , proposal
 3
 International 가
 Coordinator
 가 Ideation

		Partner Name
Region : Europe	Coordinator (IND, ICP)	LABEIN Centro Tecnologico
	Partner(IND)	Schmalbach-Lubeca AG
	Partner (IND, SEM)	Charles Robinson(CUTTING TOOLS) Limited
	Partner(IND)	Motherwell Bridge Engineering Services Limited
	Partner(IND)	Schlumberger Sema Process Engineering Unit International Telematics Applications
	Partner(RO)	ATB (Institut fur angewandte Systemtechnik) Bremen GmbH
Region : Australia	Coordinator (RO, RCP)	ICSL (Intelligent Control Systems Laboratory)
	Partner(IND)	Australia Corporation Consulting Pty Ltd (ACC)
Region : Switzerland	Coordinator (RO)	ICIMSI (Institute for Applied Science and Industrial Technologies)
Region : Japan	Coordinator (RO, RCP)	Shimizu Corporation
	Partner(IND)	Sumitomo Electric Industries, LTD
	Partner(RO)	Tokyo Metropolitan University (TMU)
	Partner(RO)	Hokkaido University (HU)
Region : Korea	Coordinator (RO, RCP)	Korea Institute of Industrial Technology (KITECH)
	Partner(IND)	Electropia, Co. Ltd.

ICP= International Coordinating Partner RCP= Regional Coordinating Partner
 IND= Industry Partner RO= Research Partner

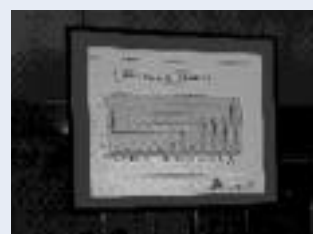
2002

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IMS
 * 76%
 * 29%
 * 39%
 * 57%
 * 65%
 * : 87%, 9%, :4%
 * 96%
 * 74%
 * IMS가 83%
 * 35 (6)
 * 11 (4)
 * 164 (7)
 * : 477 (가)
 * :35% (range: 20~70%)
 * 가:175 (range: 3~80%)
 * :13% (range: 20~50%)
 * 26% (range: 10~70%)
 * :13% (range: 20~30%)
 * 43%
 가

>>

* 83% (82% 가)
 * 78%
 * 100% 가
 * 90%
 * 73%
 * 67%
 * 가 71%
 * 82%
 * 85% 가 가
 >> IMS 가 IMS / IMS
 가 가 (10)
 (4), (4), (2)
 IRS 57% 가 IRS 가
 가
 96%가 가 74%가
 2



24 RP ()



IMS-RPD ()

RP(Rapid Prototyping) 가 “RP ” 6 24
 . IMS RPD RP
 가 , DMS(Design Engineering &
 Manufacturing Solutions) .
 RP RP 가 , RP
 , RP
 Rapid Manufacturing 가 , RP
 가 3D printer RP . DMS
 CAD/CAM, CAE, PLM, RP, SCM/ERP, Virtual Manufacturing 가
 RP RP
 .CAE S/W 가 ,
 . Virtual Simulation
 H/W e-business
 가 .
 RP ,RP /
 direct mold .
 7 3~5 IMS-RPD .
 EU , , , 12 ,
 QMI 1 , 2 . EU, ,
 가 ,EU Virtual Enterprise, Hybrid
 Prototyping, Low Volume Manufacturing ,
 Powder ,Rotational Moulding .
 RPD 가 RP
 RPD . IMS-RPD
 EU, ,
 . 2004 5 IMS RPD
 . EU ARRK .ARRK
 12 CAD RP ,
 가 , RP
 IMS-RPD EU
 EU 가
 , , 가 .



IMS
 CHEM(Advanced Decision Support System for Chemical and Petrochemical
 Manufacturing Processes) 3 가 5 8 9
 . Yokogawa Electronic Kenpo Kaikan Hall
 4 (, LG EHS, AID)
 5 (Yokogawa, Mitsui Chemicals, Omega Simulation, TIT, Okayama Univ.), 4 (FP,
 Gensym, UPC, Lille Univ.) 13 .
 8 , Yokogawa
 Yokogawa 가 .
 Yokogawa H. Takatsu ,
 가
 .
 9 CHEM IFP B. Braunschweig 가 ,
 CHEM 가
 (IMS-CHEM International
 Workshop) 8 .

IMS

8	19-22	ICoPE2003: Int'l Conference on Precision Engineering 2003 . : 가 . URL : http://www.SIMTech.a-star.edu.sg/events/ICoPE2003.htm
	24-30	CIRP 53rd General Assembly . : . URL : http://athena.uwindsor.ca/cirp2003
	24-30	The 15th Triennial Congress of the Int'l Ergonomics Association - IEA 2003 . : . URL : http://www.iea2003.org