

# STEP

KAIST

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## 1. STEP 가 ?

757

가

?

가

,

757

?

GM(general motors)

GM

가

(CAD, computer aided design)

가

GM

UG(unigraphics)

Catia

1980

가

가

가

STEP

STEP

. ISO(international standard

organization) High level steering group on CALS (HLSGC, commerce at light speed) 가 EDI(electronic data exchange),

SGML(standard generalized markup language), STEP(standard for the exchange of product model data) , EDI ,

, SGML

STEP

(technical data)

STEP ISO

(geometric model)

(product model)

가 가

2. 가 ?

STEP CAD/CAM  
STEP

CAD

가

CAD  
CAD

CAD

STEP

가 (Legacy)

CAD

STEP

CAD

가

CAD

/ /

(lifecycle)

가

STEP

1984

가

e-

1

AIAG (automotive

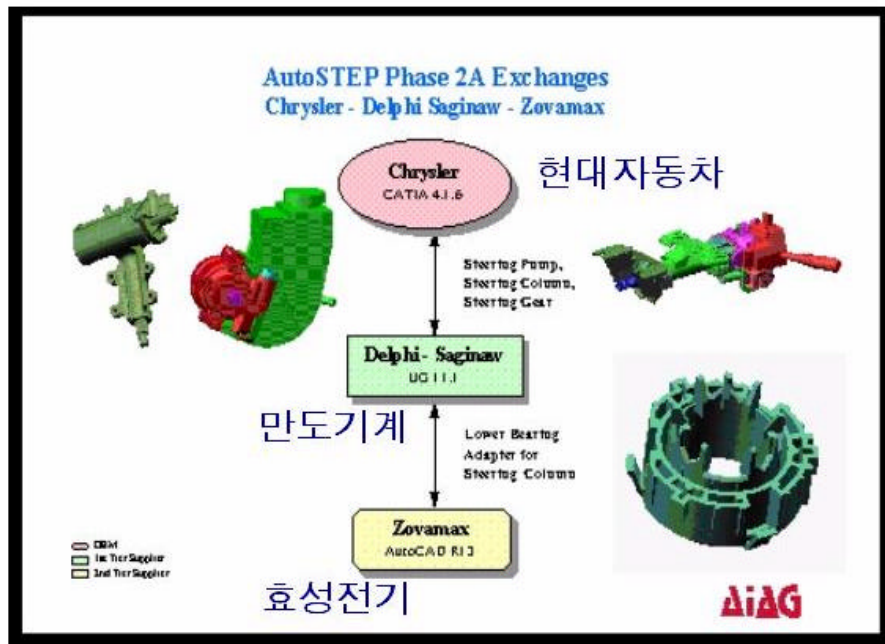
industry action group)

AutoSTEP

(SC: supply chain)

가

# AutoSTEP pilot implementation



1 AutoSTEP pilot implementation ( AIAG)

3. 가 ?

STEP

가 , , 3 가

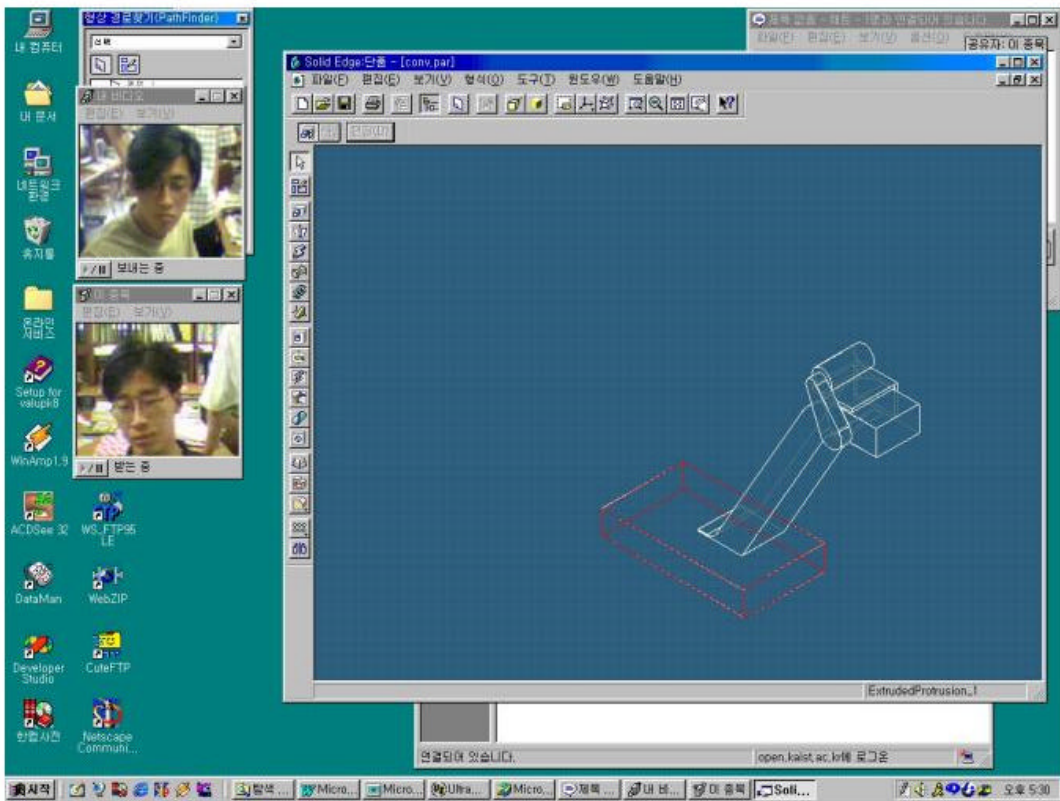
(mockup), (ERP)

(BOM: bill of material)

(EDM: engineering data management)

STEP PDM (product data management)

2 STEP



2

4. 가 ?

STEP ISO/TC184/SC4 , ISO 184

(technical committee) 4 (sub-committee) .

ISO/TC184 SC4 ,

STEP (ISO-10303) Part-Lib (ISO-13584) MANDATE (ISO-15531), Oil & Gas (ISO-15926) STEP , (working group: WG) . WG2, WG3, WG8, JWG9, WG10, WG11, WG12, Quality Committee 가 , . WG3 (AP: application protocol) , 10 AP .

STEP , , , 가 . NIST (national institute of standards and technology, [www.nist.gov/sc4](http://www.nist.gov/sc4))가 ISO , PDES (product data exchange using STEP, <http://pdesinc.aticorp.org>) STEP . STEP Tools ([www.steptools.com](http://www.steptools.com)) RPI (Renssler Polytechnic Institute) Martin Hardwick . ProSTEP ([www.prostep.de](http://www.prostep.de)) , 가 . PDTsolutions ([www.pdtsolutions.co.uk](http://www.pdtsolutions.co.uk)) EuroSTEP ([www.eurostep.com](http://www.eurostep.com)) 가

JSTEP (Japan STEP promotion center, [www.jstep.jipdec.or.jp](http://www.jstep.jipdec.or.jp)) , ISO STEP

가 , , 가 , , 가 , CAD STEP 가

ISO STEP (Part)가 22 ( 1, 11, 21, 31, 32, 41, 42, 43, 44, 45, 46, 47, 49, 101, 105, 201, 202, 203, 207, 224, 13584-20, 13584-42) , 2000 6 2 58 가 . 58 200 16 AP214 3

5.

STEP  
4~5  
Alias, Pro/Designer, Pro/Engineer Catia  
STEP  
STEP 가  
CALC 2000  
4 가  
가  
SCADEC  
가

6.

STEP”, 2000 5 ,  
[http://kstep.kaist.ac.kr/kstep\\_introduction/step\\_book/](http://kstep.kaist.ac.kr/kstep_introduction/step_book/) .htm  
10 , ‘STEP’, CAD/CAM , 4(3):42-78,  
1998 12  
10 , “STEP”, , 1999  
6 , [www.nca.or.kr/](http://www.nca.or.kr/) / /IV-RER-99016  
Sharon J. Kemmerer (Ed.), "STEP - the grand experience", NIST SP939, July 1999  
STEP , " - STEP", , 1996 9

STEP , <http://www.kstep.or.kr>

STEP on a page, <http://www.mel.nist.gov/sc5/soap>

SOLIS (STEP on-line information service), <http://www.nist.gov/sc4>

