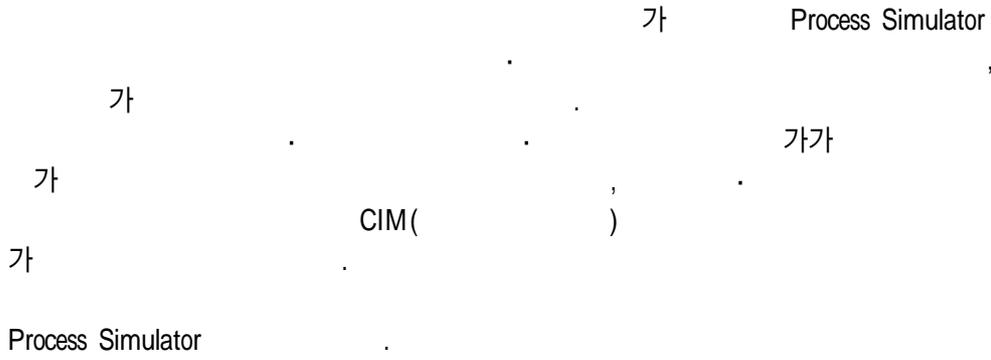


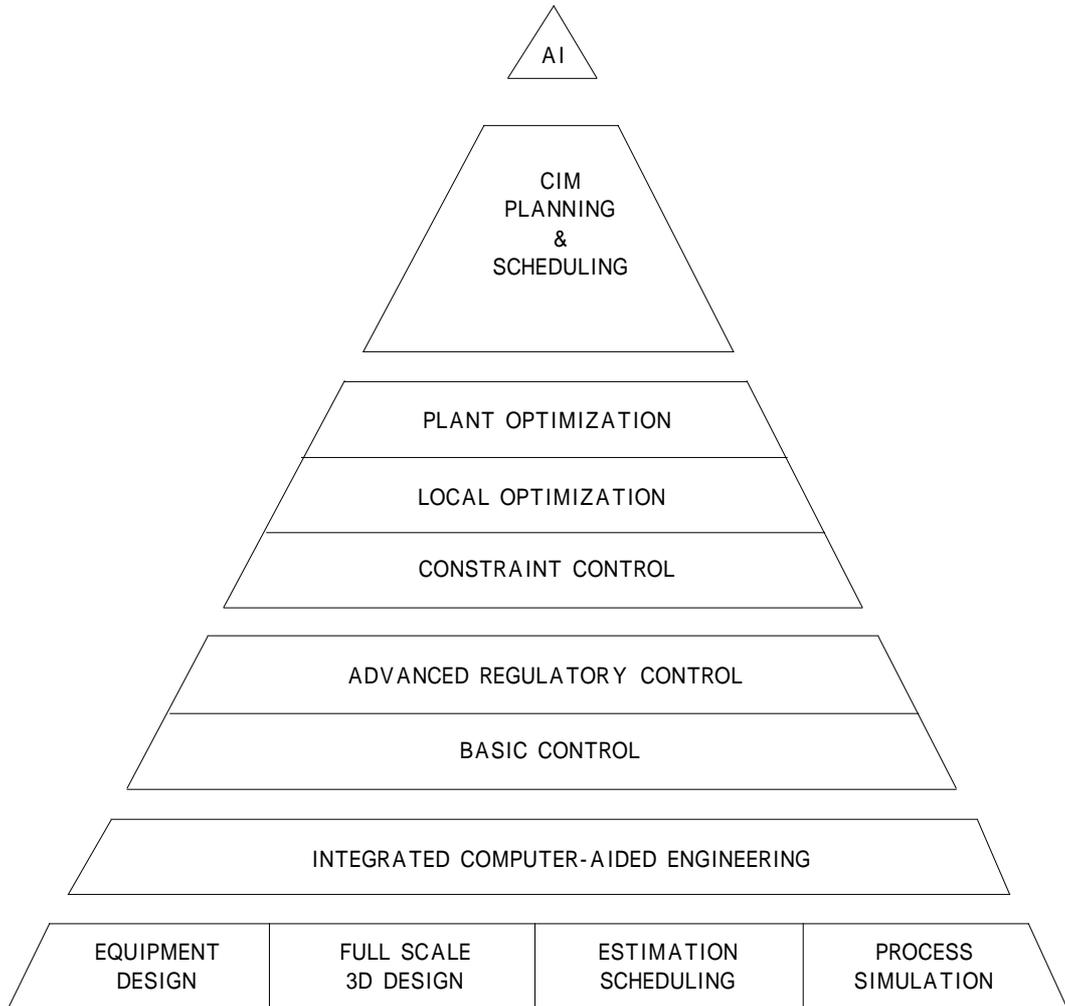
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# CIM



< > Simulator Computerizing System



「 가」 Products ( ) 가 70~80% 가 1% 가 가 CIM 가 40 , 80 , 21C CIM(AI) < >

< 1> Simulation S/W

S/W		
Aspen Plus Model Manager Ratefrac Batchfrac Advent BPS	Aspen Tech( )	Process Simulator Interface S/W Process Optimization Simulator Batch Cost S/W Bio Process Simulator
Speed-Up Aspim-Su Prodabas	Prosys Tech( )	Process Pro Simulator Batch Process Simulator Process Eng'g Data Base System
Design Windows Sim. D- for Windows Design PFD Mixmaster Chem Tran Design Master Pro CAM	Chemshare( )	Process Pro Simulator PC Process Eng'g Package D- Free/Post System PC PFD S/W 가 . System S/W Process Eng'g CAE System Plant Optimization System
Pro/ Process Aspen/SP ROM Hextran Pipe Phase Inplant Batchsim Datacon	SIMSCI( )	「Process」 2 S/W Process Simulator 「Aspen Plus」 Simulator Plant Optimization Total System Energy Simulator Piping System S/W Plant Piping System Simulator Batch Simulator Plant S/W

가 60 Kellog Flexible Flowsheet , Chevron  
 Program · CHESS가 1  
 2 60 80 Flowtran(Monsanto) · CAPES(Chiyoda) ·  
 Process(SIMSCI) · Design (Chemshare) , 80 Aspen Plus ·  
 Speed-Up , < 1 >  
 1 Flowsheet Simulation 가 2  
 , 2 Data Base CAD  
 DCS( )

< 2> Simulation S/W

Design	CHEMSHARE( )	· · · · · · ( ) · ( ) · · ( ) · ( )	Big Sim
Aspen Plus	Aspen Tech( )	· · · ( ) · · ·	SECL
Speed-Up	Prosys Tech( ) 91 10 , Aspen Tech	· · · · · ( ) · ( )	AID
Process	SIMSCI( )	· · · · ·	DEC

Work-Station · PC  
 가 ·  
 Main Computer LAN(Local Area Network)  
 W/S PC 가  
 70 82 ( 1 ) , KIST가  
 74 「Process」 ,  
 83 , 85 Aspen Plus가  
 86 「DECSIM」 S/W ,  
 가 , 87 Design- 가  
 2 83 ~ 87 Process · Aspen  
 Plus · Design- , 15

가

User

89 Speed-Up

40

가

( )

93

( )

Aspen Tech.

93

In-House

S/W

· To-wer/Vessel  
Item

· Utility  
Cost Evaluation

가

가

80

CIM