

PCMS

Protel Component Management System



何謂 *PCMS*?

- 是一套可以在繪製電路時，可以從公司或企業內所建立的零件資料庫中，直接取得零件的料號、零件符號及相關資訊之工具
- 並且具有新增、修改、存取及管理零件資料庫之特性

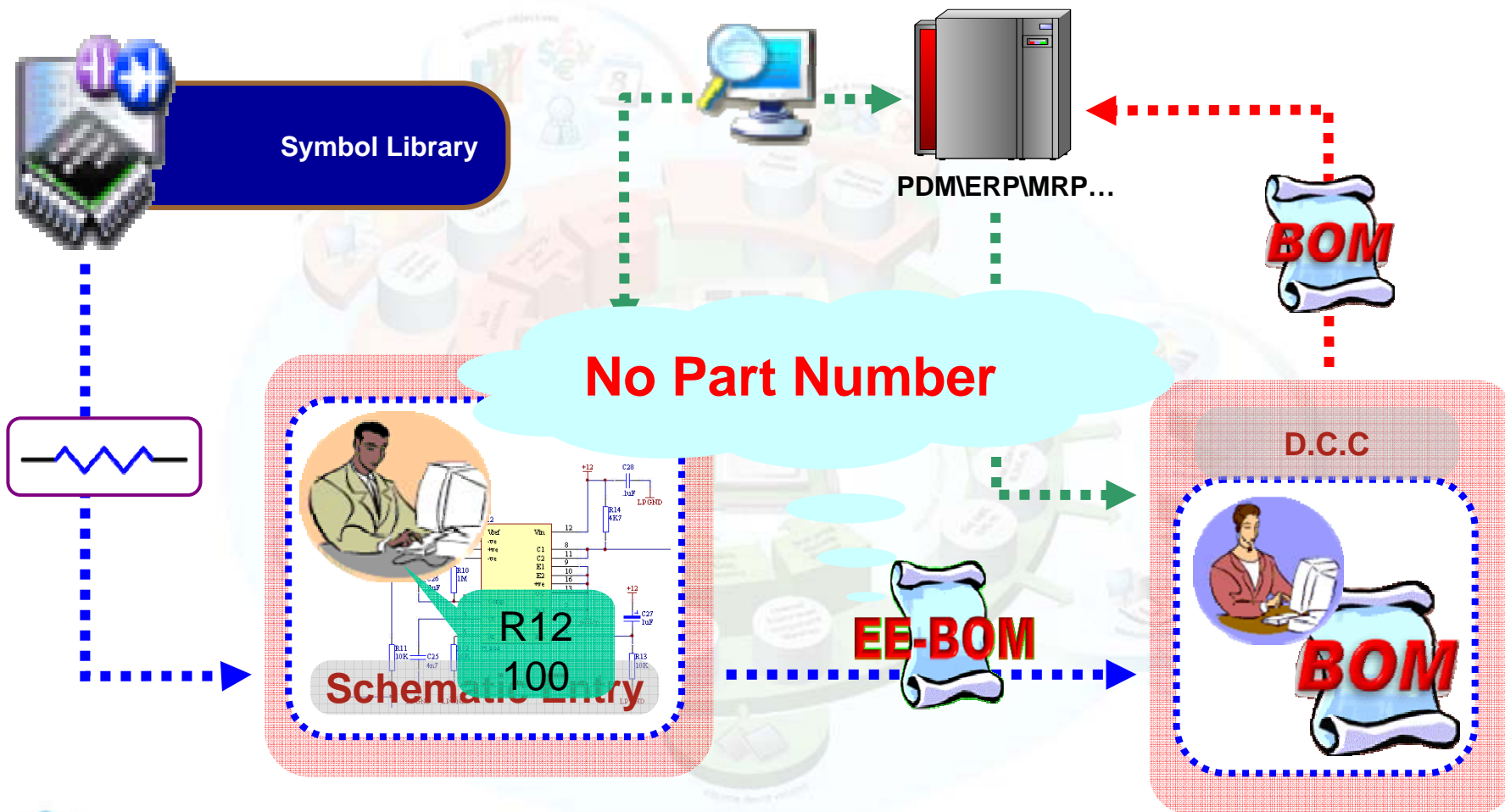
你所會遇到的

- ERP資料庫並未提供工程部門需求的資料
- 人工校對與管理造成零件資料錯誤率的提高
- Symbol、Footprint零件庫沒有有效管理
- 工程師將時間浪費在等待零件物料資訊
- 元件的細部規格資料不易查詢
- 庫存不足延遲產品上市時間

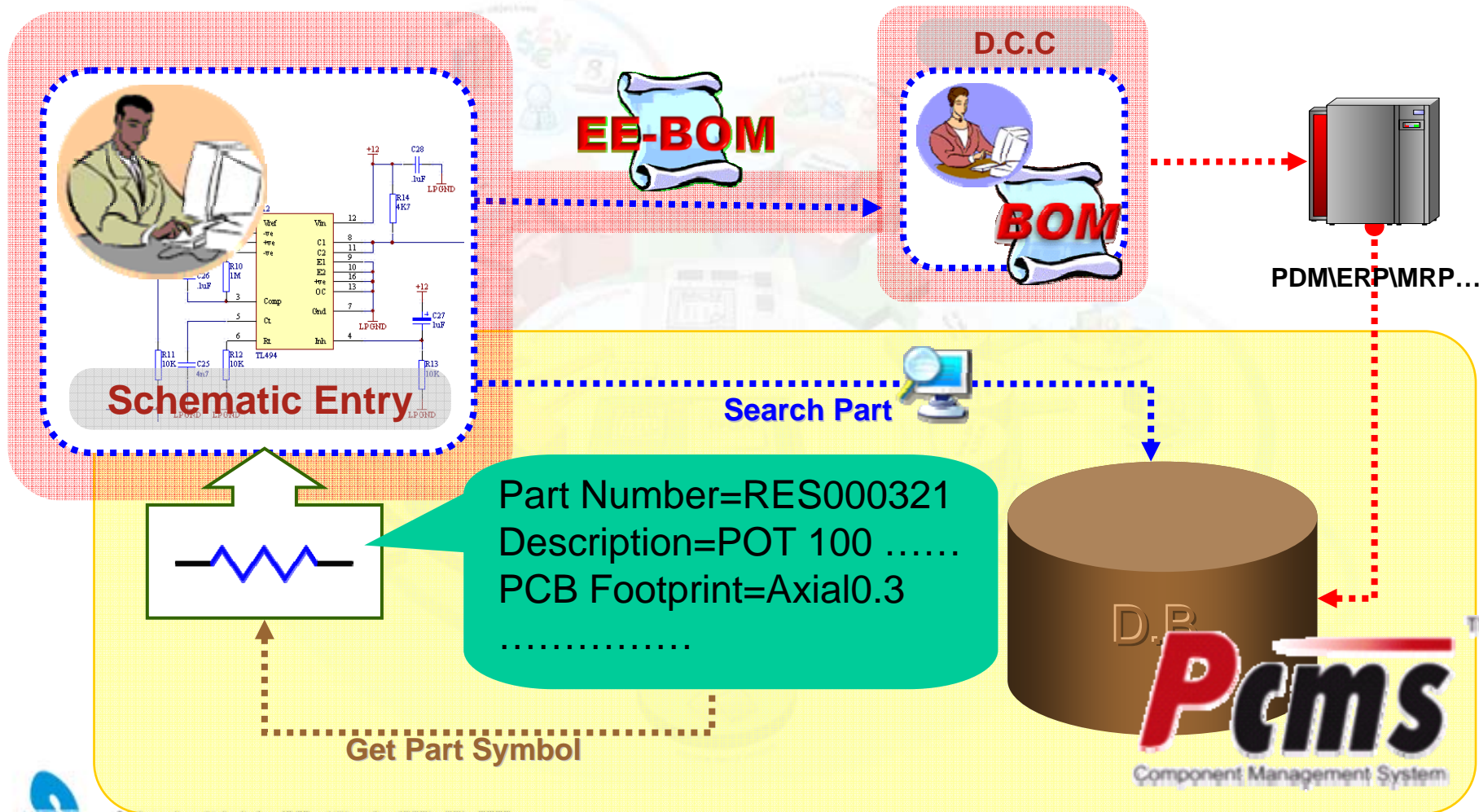
你將會得到的

- 整合與集中管理企業所有零件資訊來源
 - 工程(Engineering)
 - 製造(Manufacturing)
 - 物料資源(Item Master)
 - 採購(Purchasing)
- 自動化的選料系統
- 完整的檢核機制
- 值得信賴的設計資料之完整性和文件輸出
 - 網路連線表(Netlist)
 - 零件物料清單(Bill of Materials)

現在的繪製方式



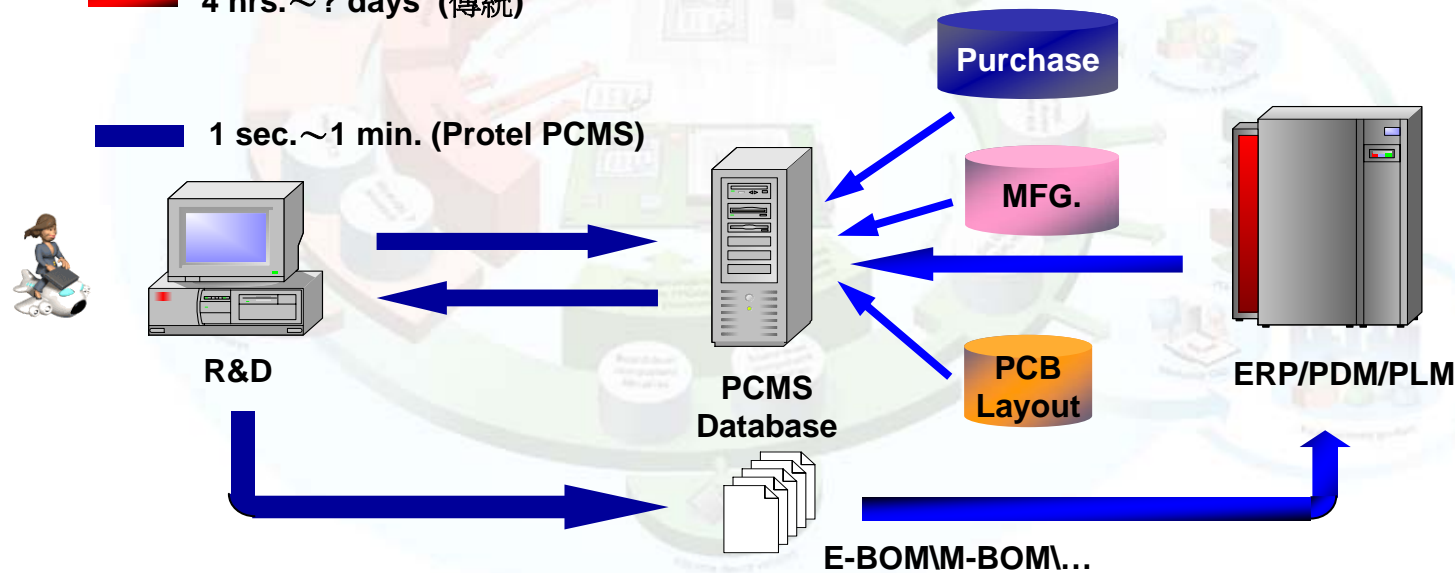
PCMS帶給你全新的方式



傳統流程 v.s. **PCMS**流程



4 hrs. ~ ? days (傳統)



1 sec. ~ 1 min. (Protel PCMS)

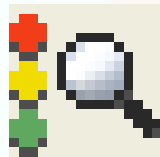
PCMS DEMO



Place Part



Update Part



Browse Part



Database Maintain

立即預覽Symbol、Footprint、3D

Place Part From DataBase

Properties Search

Kind: CAPACITORS Sub Kind: Metal Primary Part: C001174

DESCRIPTION: PACKAGE, PACKAGEING, CAPACITANCE: 0.12, VOLTAGE-RATED: 250V, TOLERANCE

Full Text Search: [] Note: []

Secondary Source: C001238, C001120

Clear All Execute Query Clear Full Text Full Text Search

Part Number	CAPACITANCE	DESCRIPTION	VOLTAGE-R/	Symbol	Footprint	3DLib	Status	PAI
C001120	0.12 μ F	CAPACITOR .12UF UV BOX TYPE	250VAC	CAP 2M	RAD-0.2	RAD0_2	In	Rac
C001174	0.12 μ F	.12UF/250VDC METAL POLY CAP	250V	CAP 2M	RAD-0.2	RAD0_2	In	Rac
C001238	0.12 μ F	.12UF/250VDC METAL POLY CAP	250V	CAP2	RAD-0.2	RAD0_2	In	Rac
C001383	0.12 μ F	CAP .12UF 250V METAL POLYESTE	250V	CAP2	RAD-0.2	RAD0_2	Out	Rac

Column Visibility

Search: CAP 2M RAD-0.2 RAD0_2

Symbol: C? CAP 2M

Footprint: [Image of footprint]

3DModel: [Image of 3D model]

Symbol
 Footprint
 3DModel

個人化的報表設置

- 隨心所欲的組合能力

Component Report For Project[4 Port Serial Interface.PRJPCB]

Designator	Kind	Part Number	Symbol	Footprint	Price	Status	Comment
C1,C2,C3,C4,C5,C8,C	CAPACITORS	C001037	CAP 2M	RAD-0.2	2.07	In	0.1uF
C13	CAPACITORS	C001861	CAP 2M	RAD-0.2	0.25		20pF
C14	CAPACITORS	C001862	CAP 2M	RAD-0.2	0.5		50pF
C15,C16,C17	CAPACITORS	C001618	ELECTRO RB,ELECTRO1	RAD-0.2	0.99		10uF
D1,D2	DISCRETES	X001005	DIODE	DIODE0.4	0.032		
J1	DISCRETES	J001009	DB37	DB37RA/F	0		DB37
P1	DISCRETES	J001027	CON AT62B	ECN-IBMXT	0		CON AT62B
R1	RESISTORS	R002014	RES1	RAD0.2	0.32	OK	1.00MOhm
R2	RESISTORS	R001737	RES1	RAD0.2	0.32	OK	1.50KOhm
RP1		R001817	RESPACK 8COMMON	SIP9	0		10K
S1	DISCRETES	S001169	SW DIP-8	DIP16	0		BASE ADDRESS
S2	DISCRETES	S001175	SW DIP-4	DIP8	0		INTERUPT SELECT
U1	ICS	U001598	TL16C554	PGA68X11_SKT	6.6		
U2,U3,U4	ICS	U001659	1488_1	DIP14	2.16		
U5,U6,U7,U8,U9	ICS	U001701	1489_1		3.6		
U10	ICS	U001669	P22V10		6.528		
U11	ICS	U001680	SN7432		0.52		
X1	DISCRETES	X001003	CRYSTAL	BCY-W2/D3.1	2.83		

File Format: CSV File (*.csv)*.csv Save As... Open Exported OK

Template: Add To Project Cancel

- Show
- Hide
- Filter
- Group
- Sort

個人化的報表設置

- 廣泛的輸出界面

Bill of Materials (By PartType) For Project [4 Port Serial Interface.PRJPCB]

Source Data From: 4 Port Serial Interface.PRJPCB
 Project: 4 Port Serial Interface.PRJPCB
 Variant: None

Creation Date: 2004/4/30 下午 01:44:19
 Print Date: 2004/4/30 下午 01:44:41

Footprint	Comment	Label	Designator	Description
RA00.2	0.1uF, 20pF, 50V	CAP 2M	C1, C2, C3, C4, C5, C8, C9, C10, C11, R1, R2	Capacitor 0.2 pitch
AXIAL0.4	1K5, 1M	RES1	R1, R2	
DIODE0.4	1N4004	DIODE	D1, D2	
XTAL1	1.8432Mhz	CRYSTAL	X1	
SIP9	10K	RESPACK 800	RP1	RESISTOR NETWORK 8 COMMON RESI
TANT 2M2M	10uF	ELECTRO1, ELI	C15, C16, C17	Electrolytic Capacitor RB mount
DIP14	74HC32, 1488, 1488_1, 1489_1	SW DIP-8	U2, U3, U4, U5, U6, U7, U8, U9, U11	1489 RS232-TTL CONVERTOR, Quad 2-IN
DIP16	BASE ADDRESS	CON AT62B	S1	
ECN-IBMGT	CON AT62B	CON AT62B	P1	
DB37RAVF	DB37	DB37	J1	
DIP8	INTERRUPT SEL	SW DIP-4	S2	
SDIP24	P22V10	P22V10	U10	24-PIN TTL VERSATILE PAL DEVICE
PGA68X11_5	TL16C554	TL16C554	U1	

BOM Report Configuration Dialog:

- Project Full Path: C:\Program Files\Altium\2004\Examples\4 Port Serial Interface\4 Port Serial Interface.PRJPCB
- Project Filename: 4 Port Serial Interface.PRJPCB
- Variant Name: None
- Data Source Filename: 4 Port Serial Interface.PRJPCB
- Data Source Full Path: C:\Program Files\Altium\2004\Examples\4 Port Serial Interface\4 Port Serial Interface.PRJPCB
- Title: Bill of Materials (By PartType) For Project [4 Port Serial Interface.PRJPCB]
- Total Quantity: 36.00
- Report Time: 下午 01:44:19
- Report Date: 2004/4/30
- Report Date & Time: 2004/4/30 下午 01:44:19
- Output Name: Bill of Materials (By PartType)
- Output Type: BOM_PanType
- Output Generator Name: ReportComponents
- Output Generator Description: Component Reports

XLS,html,RTF,XML,CSV,PDF,JPG,BMP...



個人化的報表設置

- Variant 二維BOM的支援

