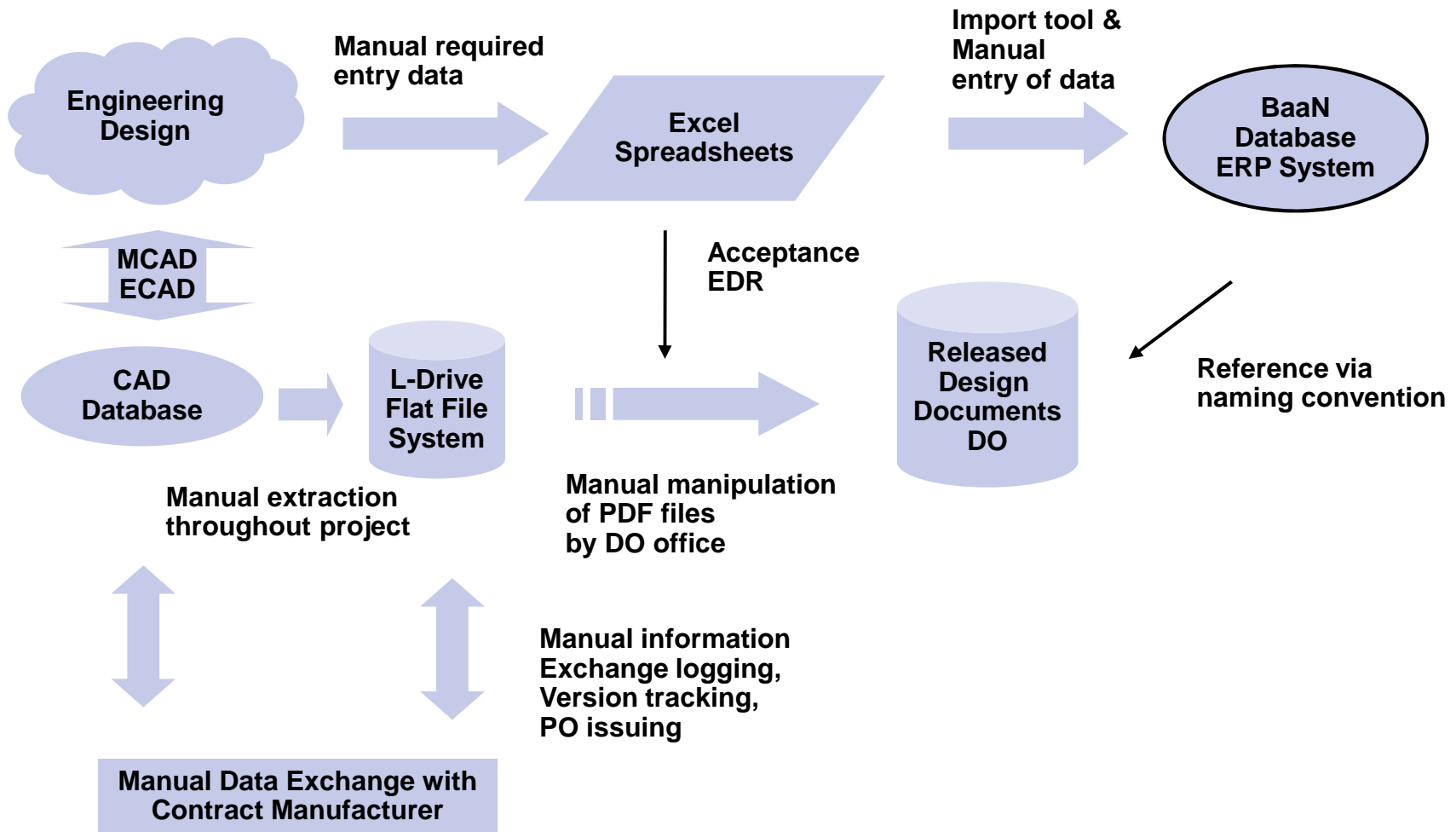


Business Vision Architecture

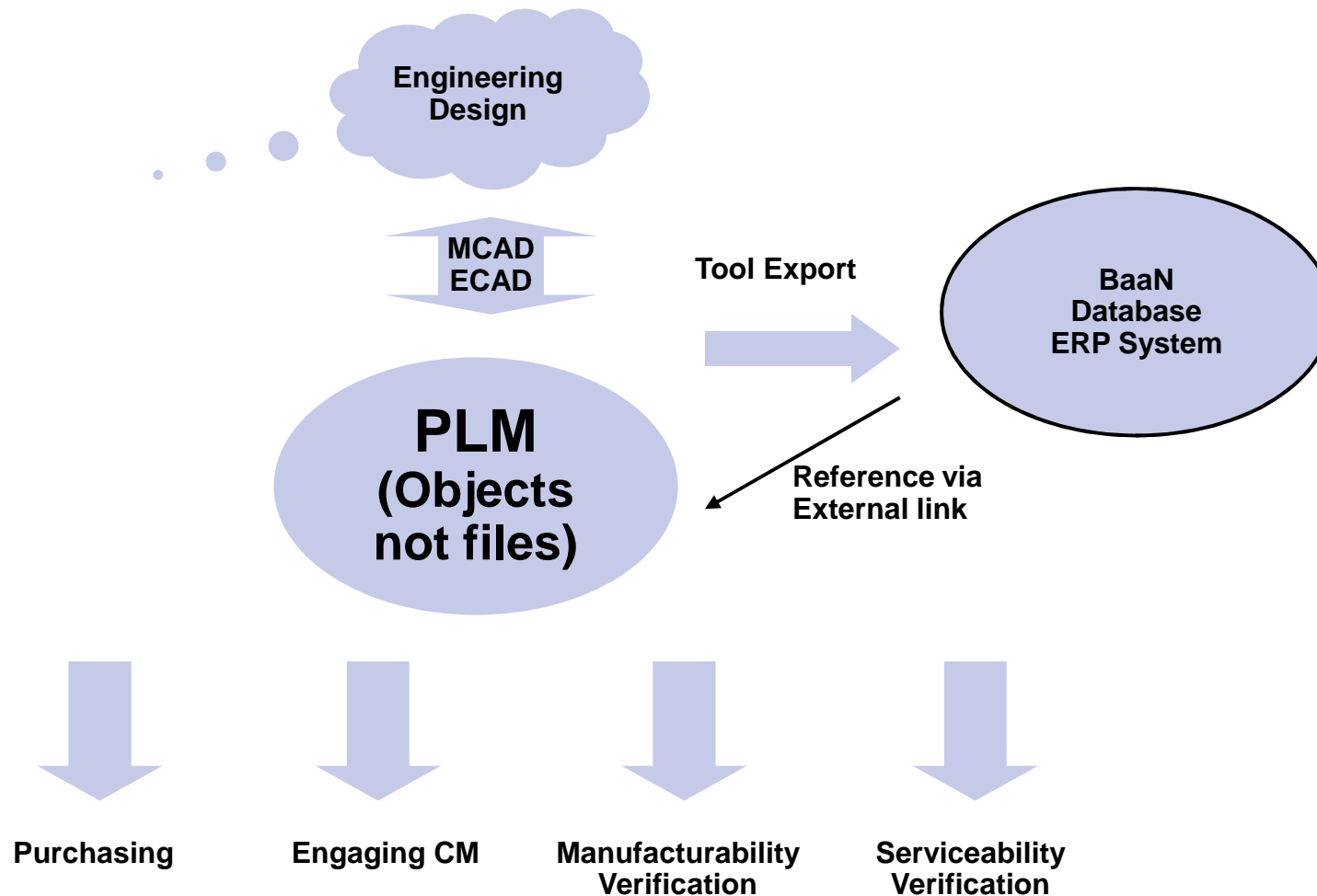
Objective

A “to be” vision of a complete business system encapsulating ERP and PLM systems in COM DEV.

Current Process



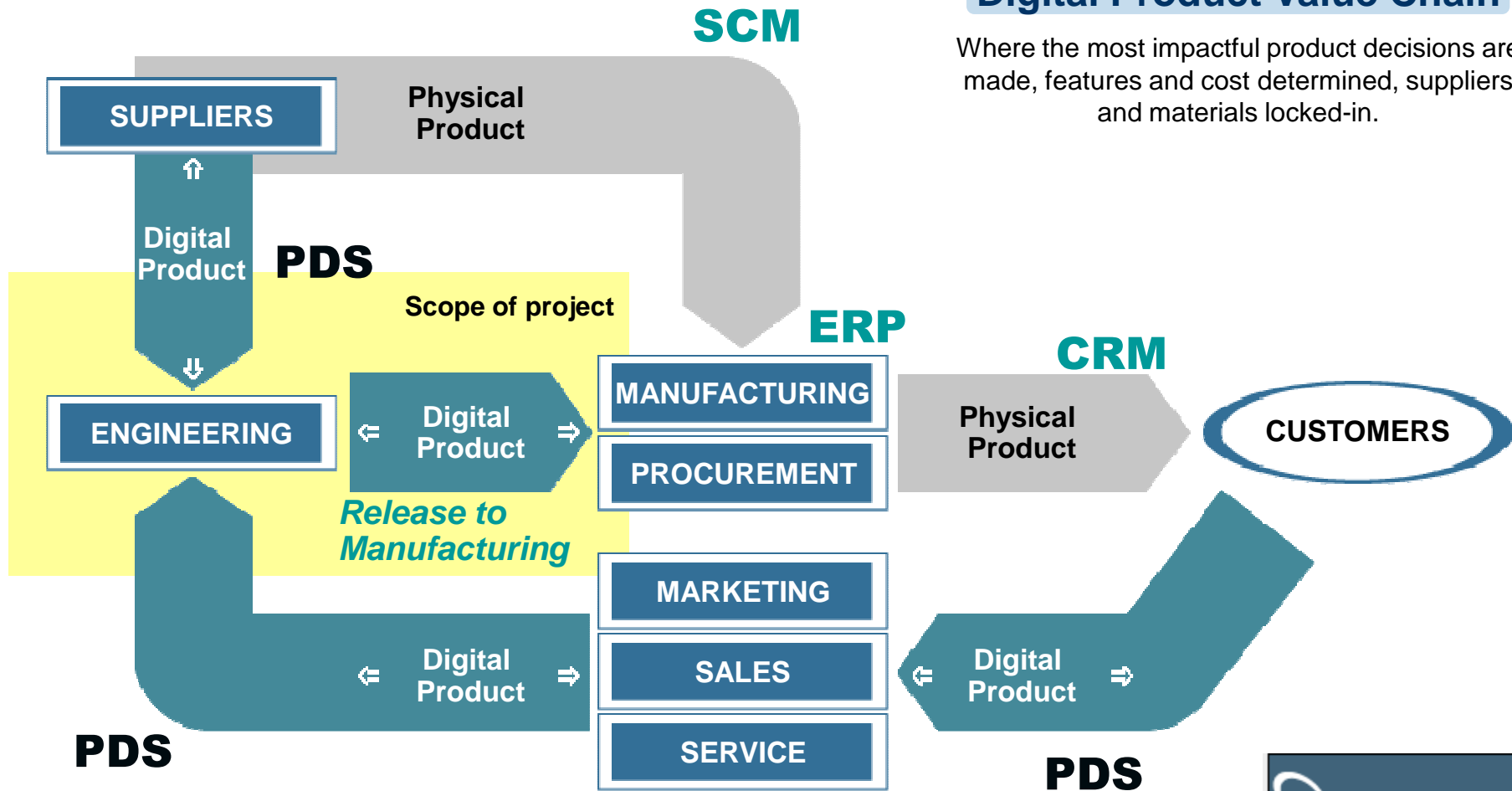
Process After Stage 2 with PLM



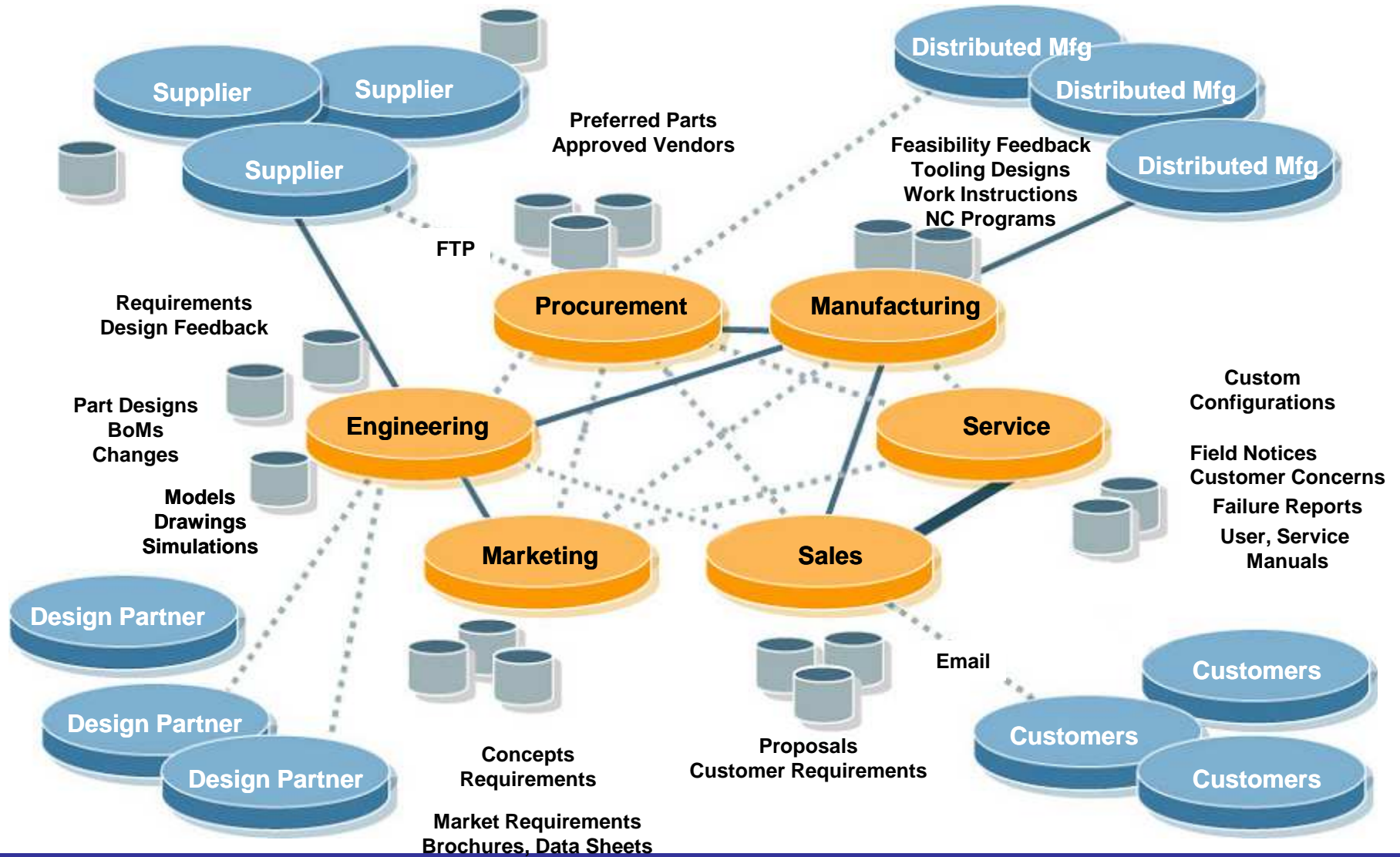
Completely in Sync with PTC Vision

Digital Product Value Chain

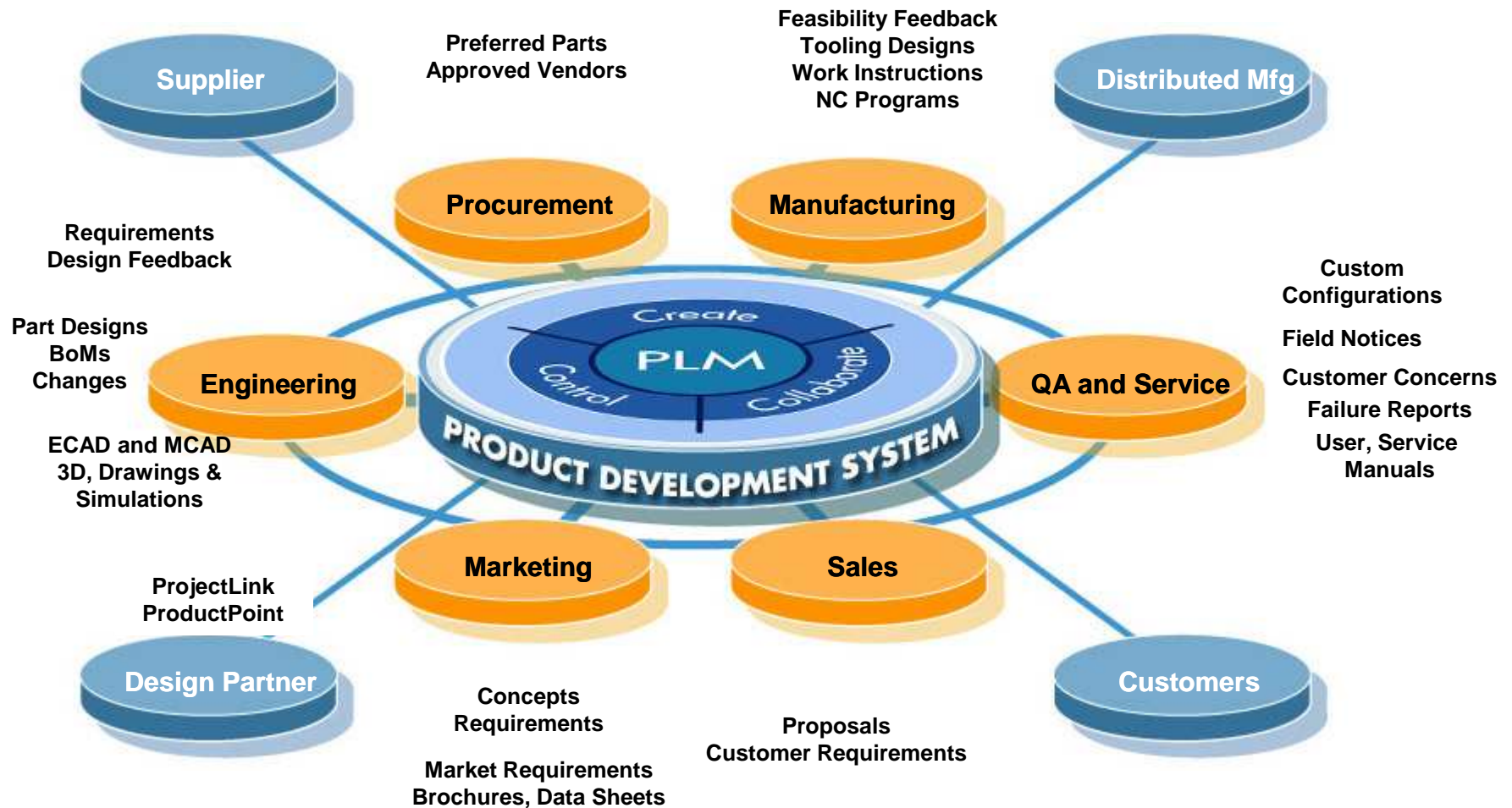
Where the most impactful product decisions are made, features and cost determined, suppliers and materials locked-in.



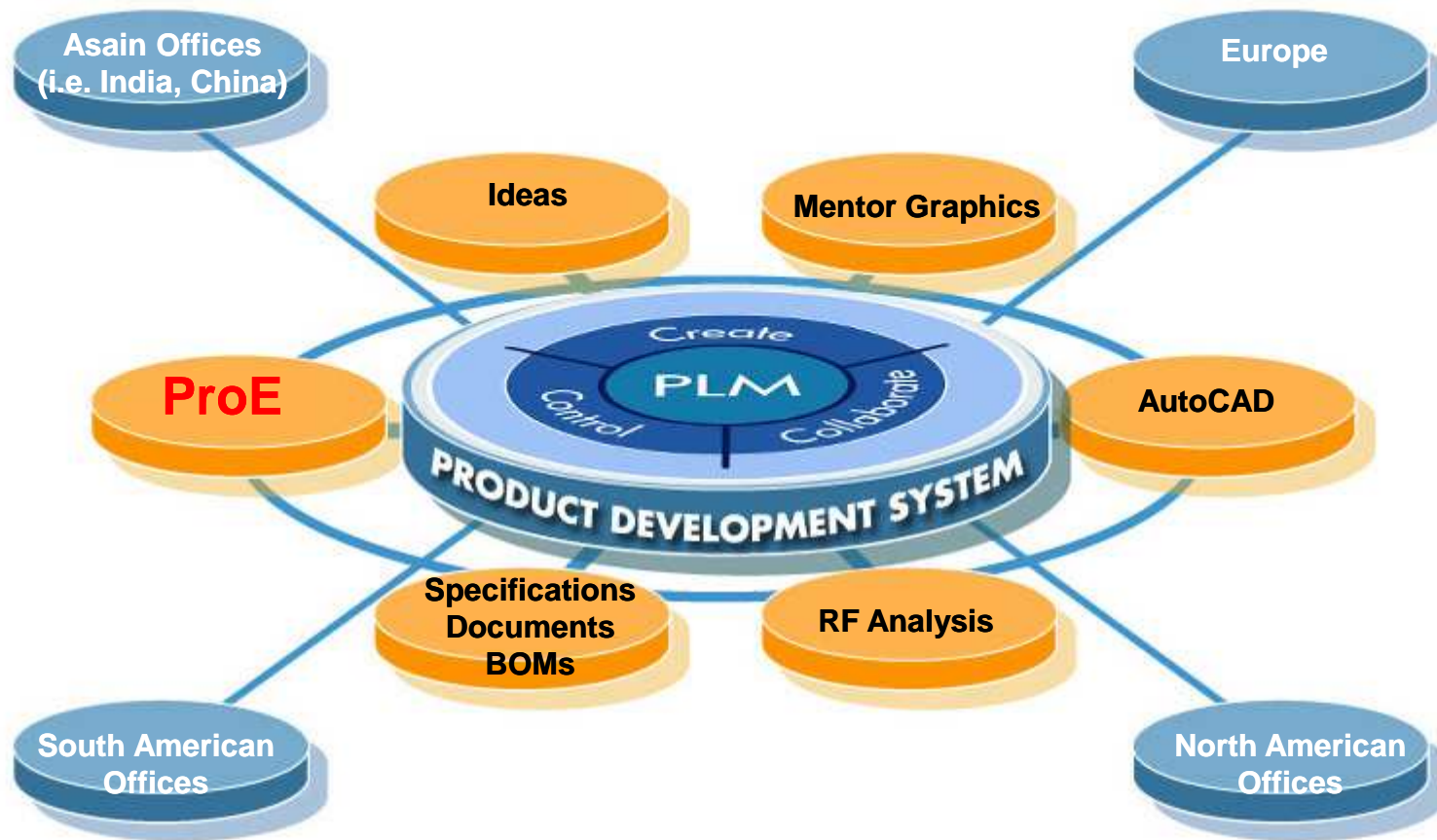
Product Development Today



Optimized Product Development System



Optimized Engineering Application Focused



Com Dev 3 Top PTC Windchill Issues

- **Duplication between Project and PDMLink allowed for Parts, Documents and CAD data**
- **Part BOM Management not based on revisions but just number. Product structure will always show latest not baselines of release**
- **Change management does not release Top Down. Only releases what is in the resulting table of the ECN**

Duplication between Project and PDMLink

- Duplication is due to the fact that ProjectLink and PDMLink started and can be sold as separate systems. The duplication was allowed to make migration of the solutions easier. But it does not follow the business enterprise solution.
- All Com Dev IP Part information is properly numbered and checked into the common PDMLink. There cannot be duplication of Part Numbers.
- ProjectLink is used as a collaboration sharing portal for external ODMs for intellectual property. ODMs can create designs to be approved and checked back into/”SEND TO PDM” the common PDMLink.
- Depending on CAD tool and author, CAD files are numbered according to the Part Number
- With various CAD tools of Ideas, ProE and Mentor, the files are numbered according to the Part Number
- There can only be one unique number per CAD/DOC type that corresponds to COMDEV Part.

Part BOM Management

- **WTPart BOM Management is based on WTPartmaster which only shows the latest**
- **Must show differences in BOMs between Released BOMs and inwork according to ECN effectivity dates**

Top Down Release of Change Management

- **Change management does not release Top Down. Only releases what is in the resulting table of the ECN**
- **Not according to most Change Management Rules to release the children items before the parent. There is no forced top-down release.**
- **Issue will occur in CAD if only drawings or assemblies are released. Detail components can be modified.**