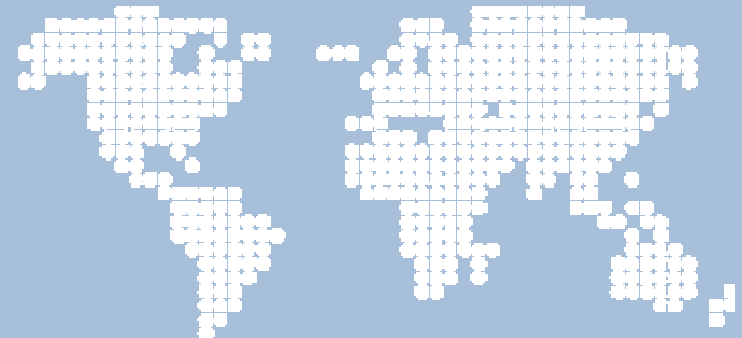




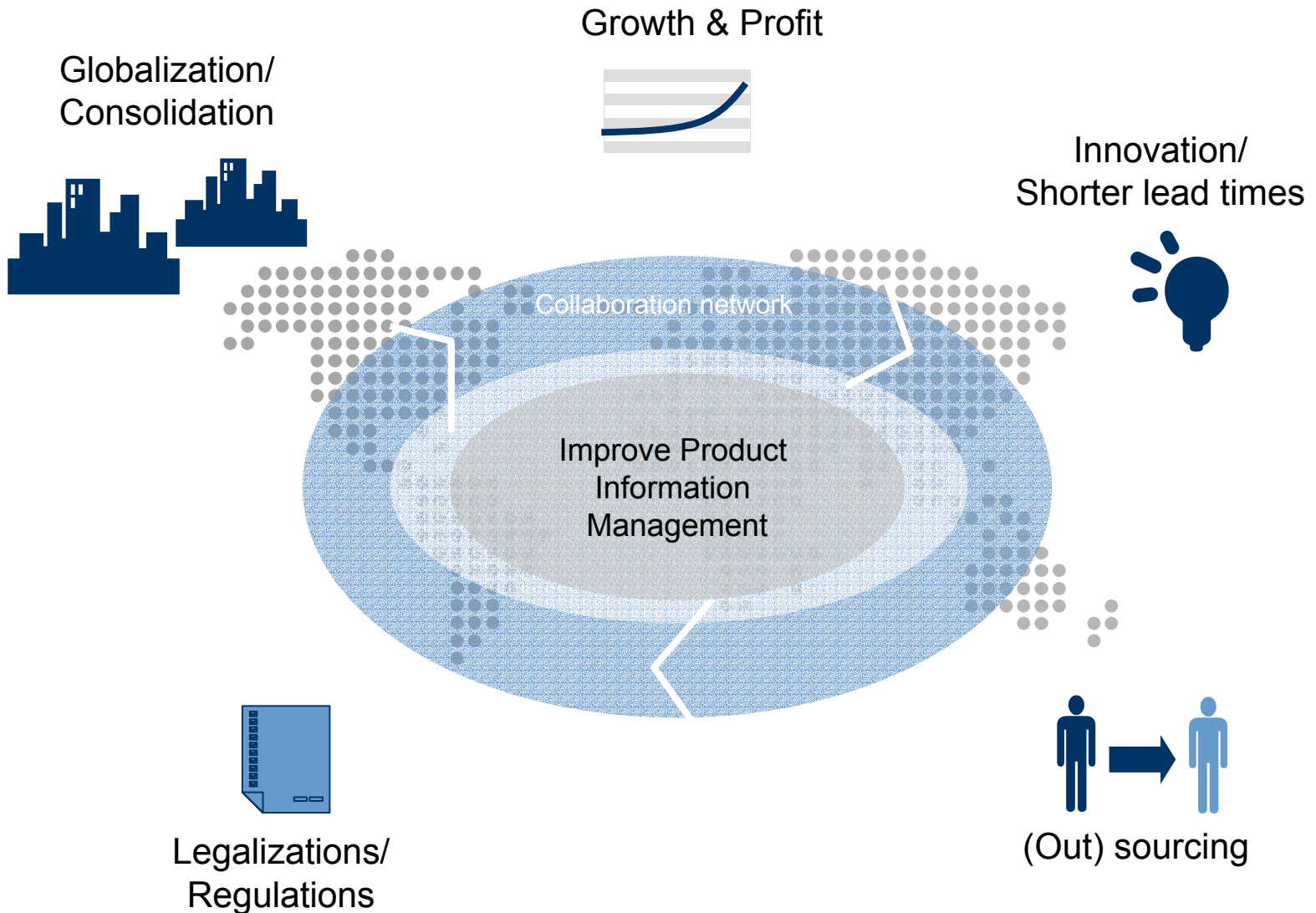
PDM i Elektronikkbransjen – DNUs Sommerseminar

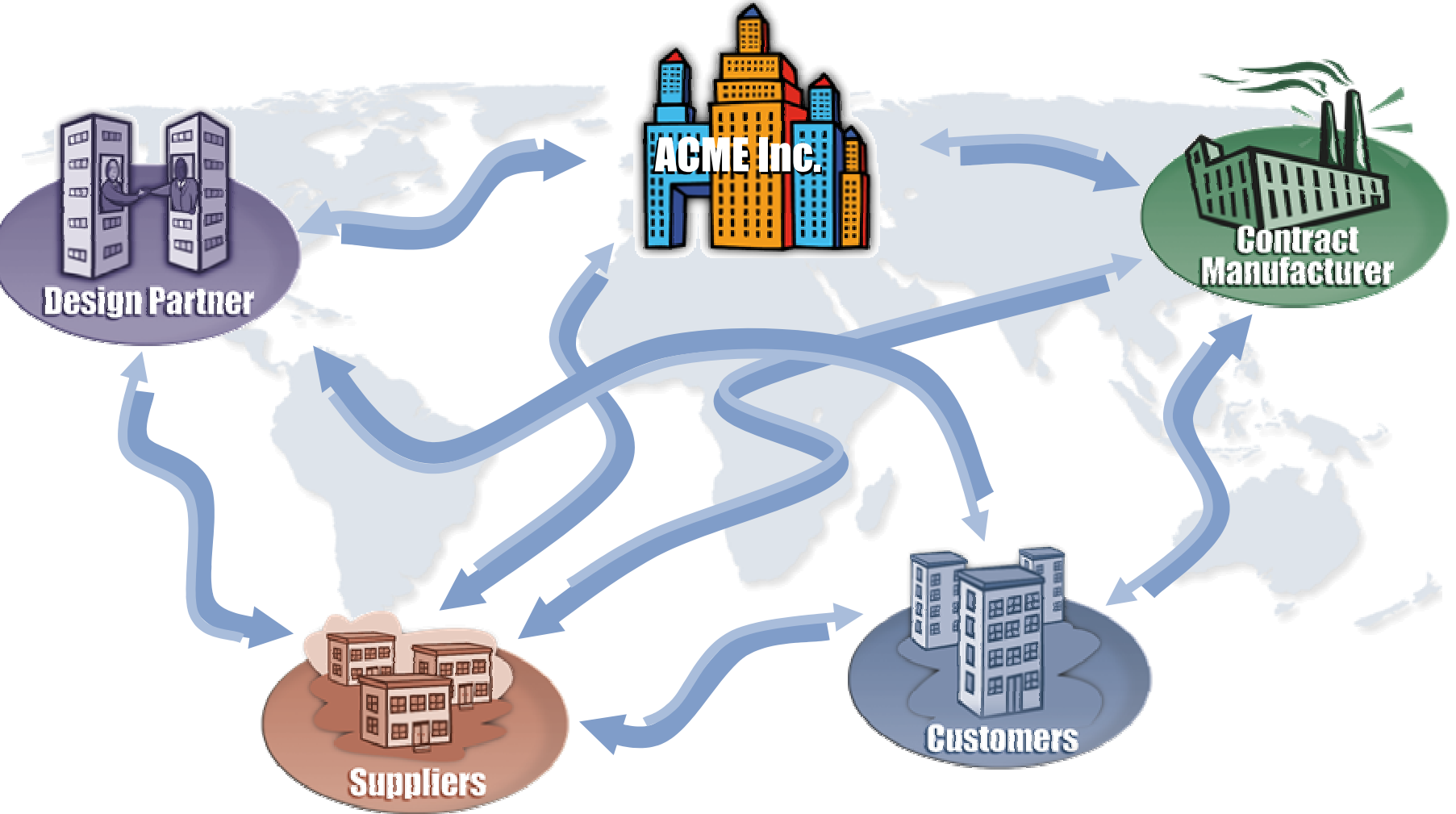
Johannes Storvik
Teknologiansvarlig
Technia AS

- PDM - hva og hvorfor
- Kundeeksempler
 - ECAD Integrasjon
 - Navngiving og revisjonslogikk
- Veien videre: fra PDM til PLM
- Hvordan lykkes med PDM?



Våre kunders utfordringer





- Filbasert lagring av dokumenter
- Manuell navngiving og organisering
- BOM i Excel, CAD eller egenutviklede databaser
- Papirbasert godkjenning og endringshåndterin
- Manuell distribusjon

- Hva er gjeldende revisjon?
- Er dokumentet godkjent?
- Hvilken utgave har underleverandøren fått?
- I hvilke produkter inngår dette kretskortet?
- Hvem kan levere denne komponenten?
- ...

Eksempel på brukergrensesnitt

The screenshot displays the SmarTeam software interface, illustrating an ECR (Engineering Change Request) process. The main window, titled "SmarTeam - [Initiate Process: ECR]", shows a flowchart of the ECR process. The process starts with "Product Management" and "End" nodes, with an "Accept" action leading to a "Cc... Notification" node. A "Skip Approval" action is also visible.

Two smaller windows are overlaid on the main interface:

- SmarTeam - [Items - Project-0068 Toolbox: Items]**: This window shows a tree view of items. The "Items Tree" includes:
 - ITM-00014 / A / Toolbox T200 Complete
 - ITM-00012 / A / User Manual
 - ITM-00011 / A / Packaging
 - ITM-00006 / A / Basket
 - ITM-00013 / A / ISO 7090 - 10 - 140 HV
 - ITM-00013 / A / ISO 7090 - 10 - 140 HV
 - ITM-00010 / A / Adhesive
 - ITM-00008 / A / Box
 - ITM-00007 / A / Handle
- SmarTeam - [Documents related to : Project-0068 Toolbox]**: This window shows a tree view of documents. The "Documents" tree includes:
 - Fold-0042 User Documentation
 - DOC-0098 Component Datasheet
 - DOC-0097 d User Manual
 - Fold-0041 Mechanical Design
 - INVD-0023 Basket
 - INVA-0057 Basket
 - INV-P-0258 ISO 7090 - 10 - 140 HV
 - INV-P-0286 Handle
 - INV-P-0287 Box

The main window also displays a table with the following data:

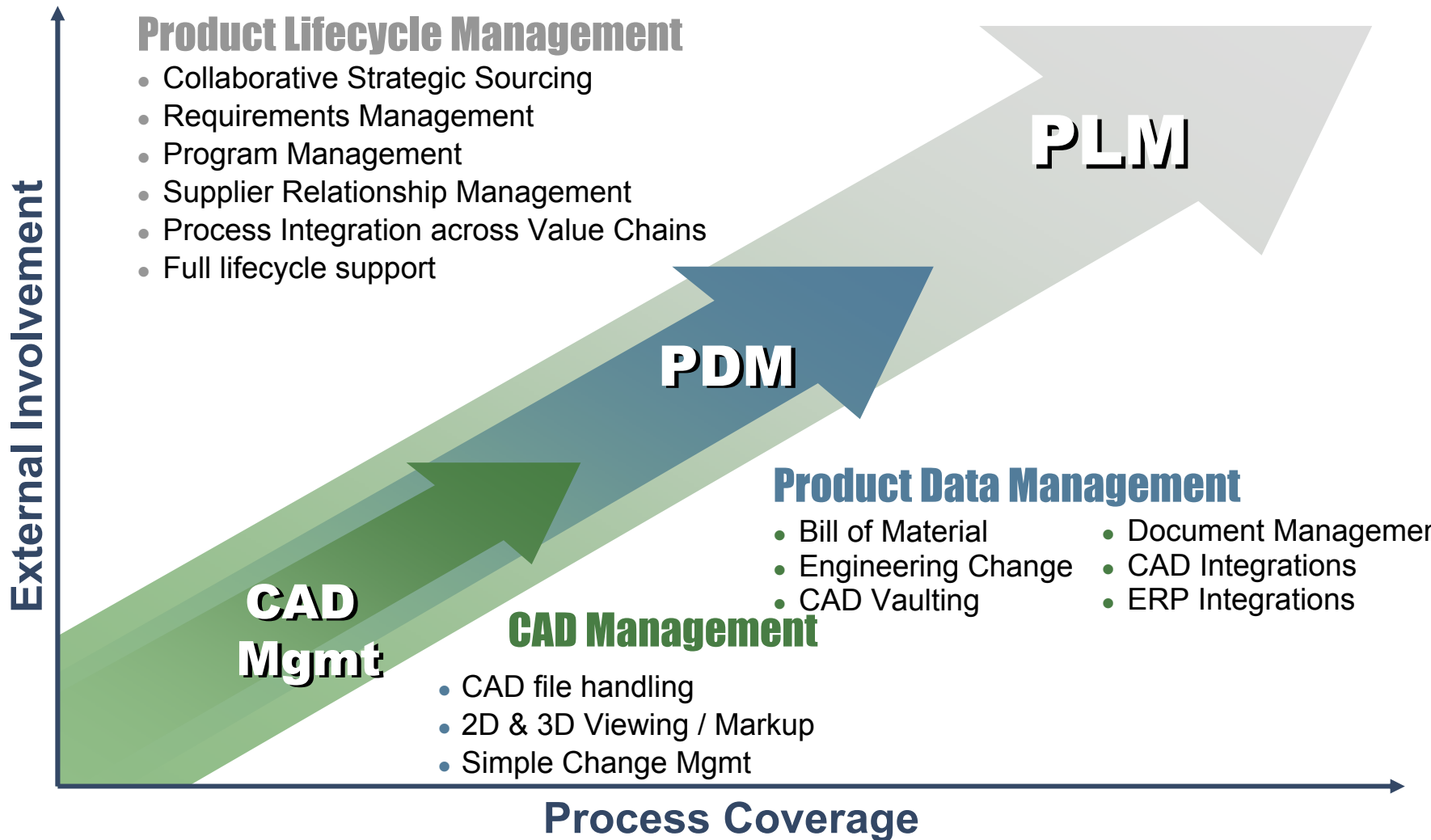
Class	ID	Revision	Description
1	DOC-0097	d	User Manual

The main window also shows a "Profile Card" tab and a "Revision" tab. The "Profile Card" tab is currently active, showing the "ECR Process" flowchart. The "Revision" tab shows the table above.

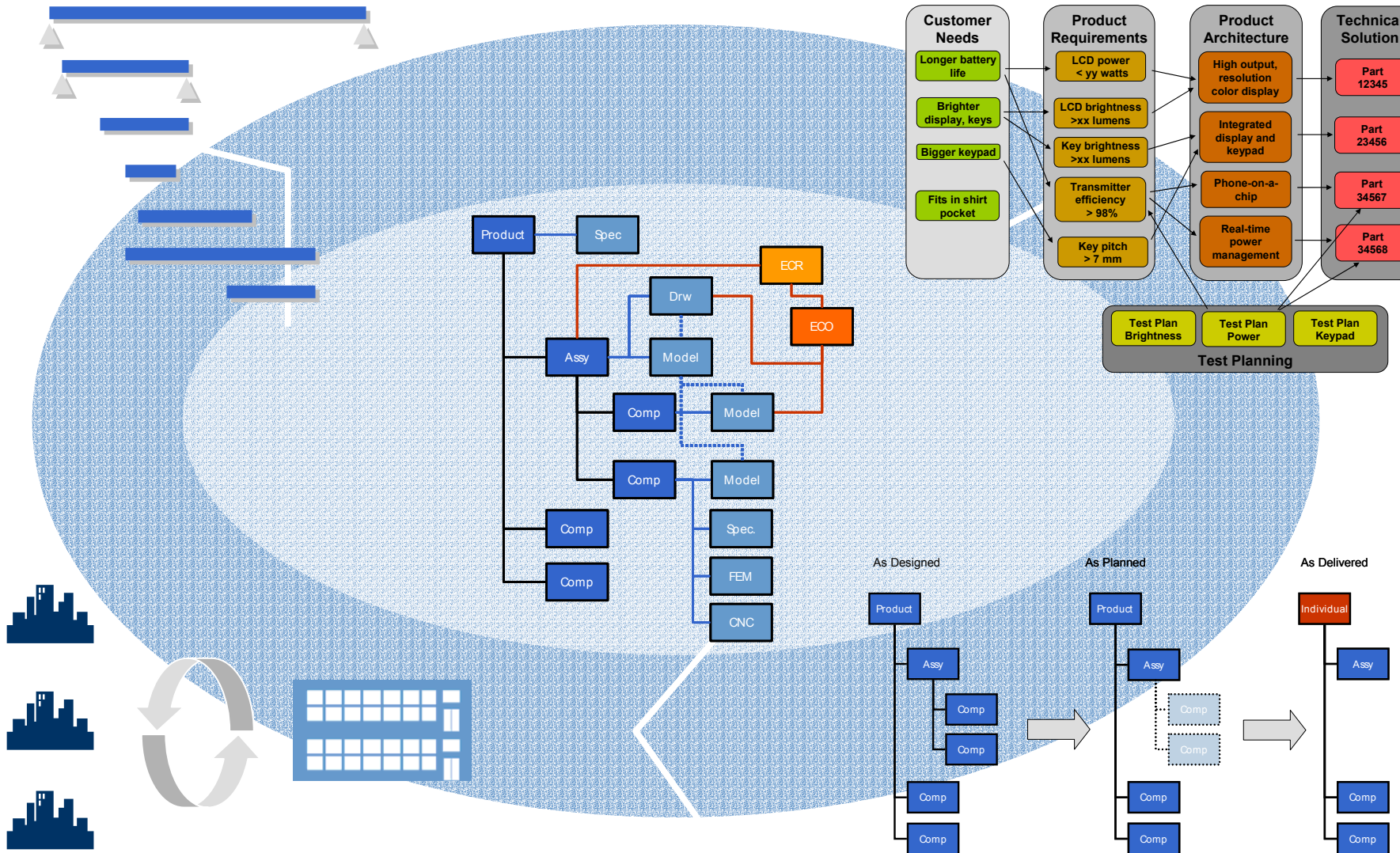
The user login is "User login: joe".

Why a Non-Significant Numbering Scheme?

- Flexibility
 - Non-significant numbers will give full freedom to reclassify an object without changing the unique identifier
- Stability/Consistency
 - It's impossible to create an incorrect non-significant number
- Durability
 - It's easy and safe to design (and expand) the numbering scheme
 - It is easy to calculate how many numbers are available
- Traceability
 - Traceability is ensured as the need for number changes is minimized
- Automation
 - Non-significant numbers are easily assigned by the system without need for detailed and fixed data



PLM – Product Lifecycle Management



PLM – Product Lifecycle Management

The image displays several key components of the Matrix10 PLM system:

- Andromeda ST-Marine: Gantt Chart**: A project management view showing tasks like 'Concept', 'Develop Concept Summary', and 'Business Analysis' across a timeline from August to May.
- Dual-Sport Tracker Marine rev B: Requirements**: A table listing requirements such as 'Friendly Display', 'Rechargeable Battery Pack', and 'World Map Software' with columns for Name, Revision, Type, Description, Owner, State, Priority, Difficulty, and Customer.
- Hardware Part: GPS-HH-75623.2**: A detailed structure view of a hardware part, listing sub-components like 'Sport Tracker Marine Assembly', 'Crystal Oscillator', and 'Resistor Part' with their respective descriptions and release dates.
- BD-1111 RC 1: Suppliers**: A table listing suppliers, with a detailed view for 'AI Mfg.' showing contact information and company details.
- Baseline Management**: A section for managing baselines, showing a table of 'Engineering Baselines' for 'GPS-HH-75623.2' with columns for Name, Rev, Description, Site, State, Originated, and Owner.
- CNC**: A central box labeled 'CNC' with a white arrow pointing to the hardware part structure, indicating a specific manufacturing or assembly process.

Hvordan lykkes med PDM?

- Finn en leverandør som forstår virksomheten din – og PDM
- Velg en PDM-løsning du kan vokse med
- Sett av tid til et forstudie – kartlegg nytteverdien
- Sett klare mål for prosjektet – både kort- og langsiktig
- Start i det små – utvid løsningen trinnvis
- Sørg for nødvendig støtte fra ledelsen – PDM er ikke frivillig!
- Lær av andres feil – det er ikke nødvendig å gjøre alle selv...



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