



## 4PEP

### Engineering Change Management

#### Transparency, Reliability and Rapidness in Your Product and Process Changes

For years, the changes of products and production processes have posed a big challenge to companies. Especially when it comes to product changes, it is almost all sectors of a company which are involved in analysing and implementing a change. Therefore, it is essential that everyone involved can access the transaction and master data which are to be changed. Additional information like the inventory at a certain place of storage or the cost of change needs to be available in real-time. Change processes are widely distributed across a company, so they should be transparent and also manageable in a flexible way.

#### Engineering Change Management today

- ❌ The change request/change order is often done using forms (Excel, Access).
- ❌ No integration of real-time master and transaction data into the change process.
- ❌ Distribution of information via paper, e-mail or file server storage  
No control of change processes possible.
- ❌ Search, multiple entry of data and manual process control etc. can be time consuming.
- ❌ Unreliable process (incorrect drawing version in manufacturing).

#### Efficient ECM with 4PEP

- ✅ Replacement of already existing forms by a professional business system.
- ✅ Integration of all master and transaction data (materials, drawings, BOM, stock information, etc.).
- ✅ Flexible ad-hoc workflow with definition of teams creates transparent processes.
- ✅ All information is in one place. No redundancy of data, existing data are referenced (single source of truth).
- ✅ Basis for reliable processes by transparency of data and processes.

## Solutions Modules

### Change data management

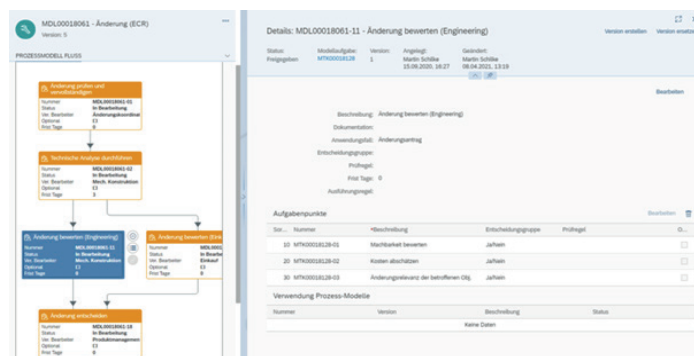
Paper-based processes belong to the past with 4PEP Engineering Change Management. All change data is managed in the ECM Cockpit. The change header data can be flexibly supplemented with **SAP standard fields** (e. g. WBS element as cost object) and **customer-specific fields** (e. g. change initiator, implementation date). **The scope of change** is conveniently supplemented via integrated **where-used lists** and **BOM explosions** and other object-specific readback functions by transferring the affected objects from the respective results at the touch of a button. Information correlating to a material, such as drawing numbers, stock or cost information and the change team, can be displayed and maintained in the ECM Cockpit at runtime.

Standard	Änderung	Material	Obj. in A.	Objekttyp	Objekt...	Objekt...	Objekt...	Neue Material...	Abhängig...	Datums...	Gültig ab	Änderungs...	Geändert...	Erzeugung...	Angeslegt...	Nutzer
	Änderung	Manuell		Material	MES2390	Material						19.02.20	Oliver Qu...	09.02.20	Oliver Qu...	
	Änderung	Manuell		Material	MES2390	Material						19.02.20	Oliver Qu...	09.02.20	Oliver Qu...	
	Änderung	Manuell		Material	MES2390	Material						19.02.20	Oliver Qu...	09.02.20	Oliver Qu...	
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Change data

### Management of change processes

Change processes must be managed flexibly. For this purpose, 4PEP uses the **Process Engine**, which visually displays the sequence of the individual process steps. It is possible to intervene in the running process at any time and change planned work steps - pure flexibility! The team involved in the change process is quickly and easily defined in the **team definition**. Clear **checklists** facilitate the processing of detailed tasks of the delivered work packages.



Change process

4PEP Engineering Change Management has proven its effectiveness as a tool for integrated and transparent change processes for years, from the idea of a change to its implementation in manufacturing and assembly. Our solution can be applied across a multitude of sectors, it complies with norms and standards like VDA 4965 or CMII.



**“4PEP Engineering Change Management gives us a high level of security and transparency in the planning and steering of our worldwide change processes. The ‘return on investment’ was reached in a very short time.”**  
*Helmut Peters, Manager Commercial Services, Leopold Kostal GmbH & Co. KG*

**“As one of the world’s leading providers of medical technology, we have very high demands when it comes to our change management in SAP. With 4PEP Engineering Change Management, we could fulfill those demands and maintain our high regulatory standards.”**  
*Joachim Buckel, Demand Manager PLM, Siemens AG, Healthcare Sector*

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