



e & h cnet project database introduction

e & h CNET
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Key concepts

- **Aspects of project management:**
 - Tasks and Reality
 - Structure and Complexity
 - Data and Documents Availability
 - ON-LINE and for Everybody Involved
 - Project Structure
 - Project Progress
 - ... resulting in:
- **A multi-participant project management and workflow**
- **A real-time monitoring of complex projects and their participants**

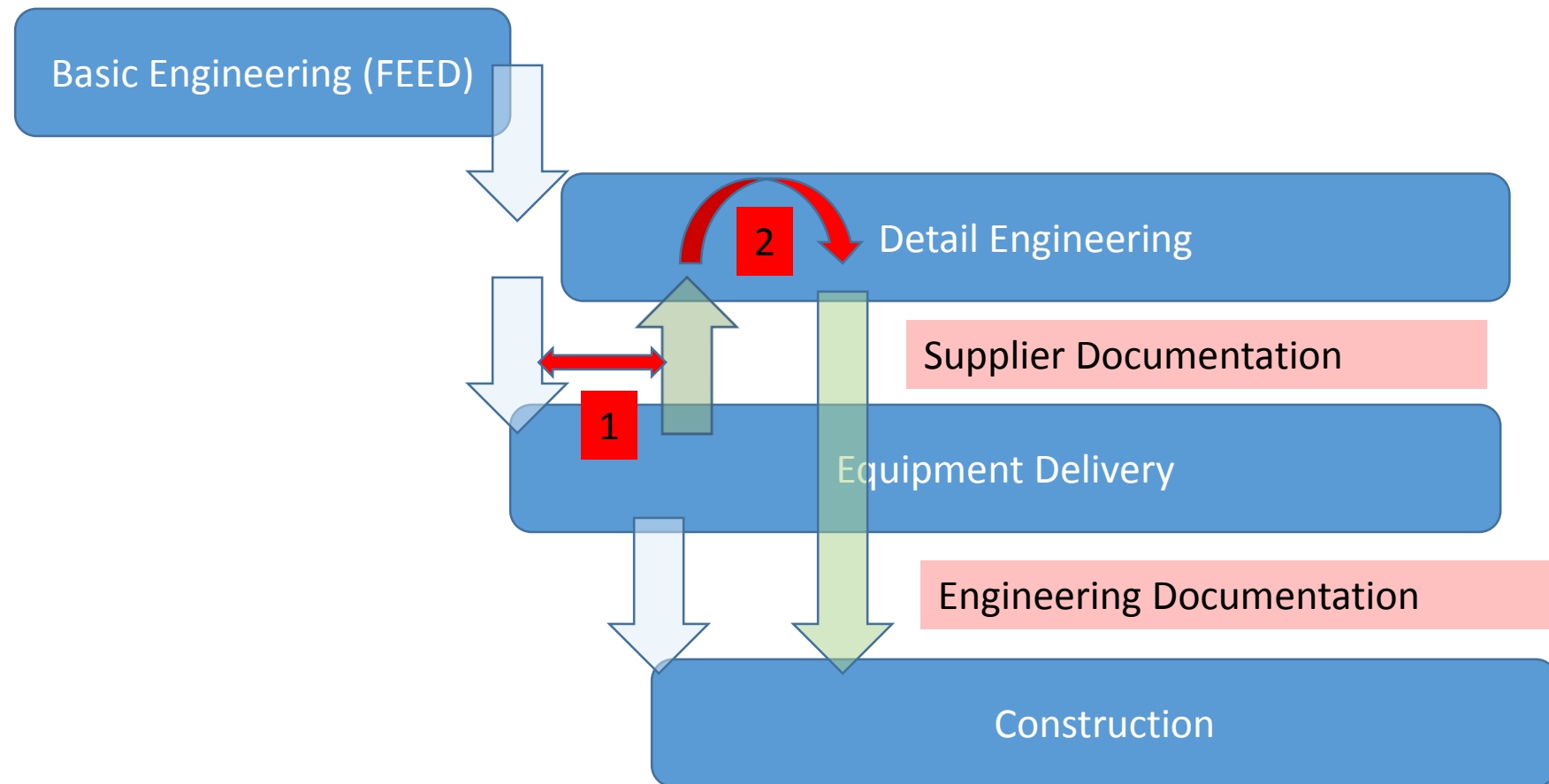
Project Management

Tasks and Reality

Project Management

(as per PMI Guide)

- 1) Integration
 - 2) Scope of Work
 - 3) Time
 - 4) Cost
 - 5) Quality
 - 6) Resources
 - 7) Communication
 - 8) Risks
 - 9) Procurement
 - 10) Safety
 - 11) Environmental
 - 12) Financials
 - 13) Claims
- Reports of ALL



Project Management

Structure and Complexity



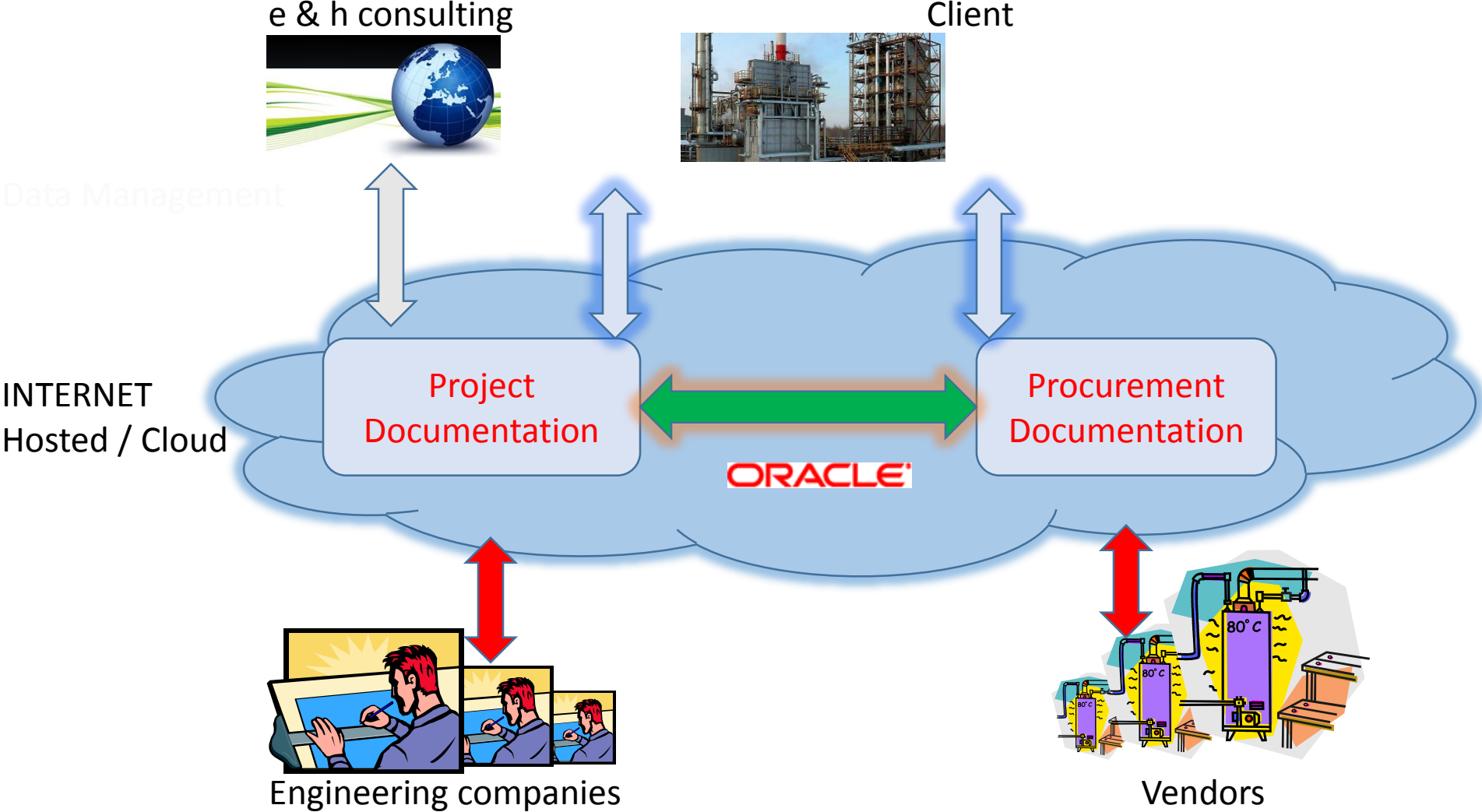
Project Management

Data and Documents Availability – e & h NET

Data and Documents Availability – e & h NET

- **The EH net system administers a multi-participant project management and workflow**
- **It is structured to administer industrial-scale and other large projects including a number of participants responsible for individual project tasks and project parts that are linked in a defined operational workflow**
- **The system is flexible and may be adjusted to deliver process management and structured process data**
- **The EH net is a flexible advanced version of an Enterprise Content Management (ECM) system, the applicability of which, however, goes beyond data management**

Data and Documents Availability – e & h NET



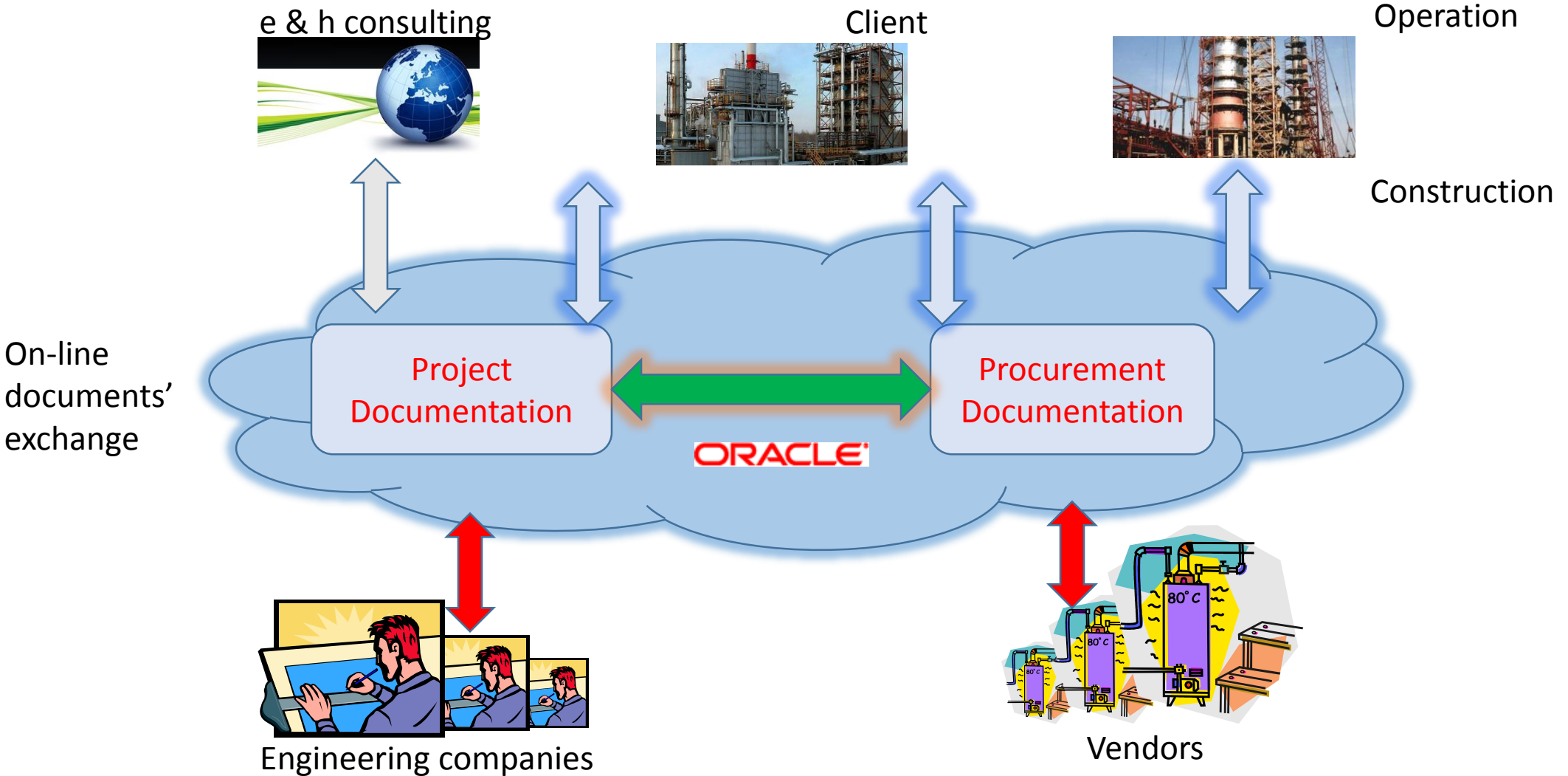
Project Management

ON-LINE and for everybody involved

ON-LINE and for everybody involved

- **The EH net enables a real-time monitoring of complex projects and their participants, and integrates the most relevant aspects of manufacturing execution systems, track and trace and enterprise resource planning. An EH net system product may be tailored to specification and adapted for integrating and monitoring business processes and supplying operational intelligence in any environment.**
- **It is open to a SOA (service-oriented architecture) operation and integrates strategic goals with project-specific benefits, and shared services with specific-purpose implementations, as needed and required.**
- **Its potential is in applicability and flexible sharing of information across a project both on the level of individual project operations AND as a resource e.g. for digital dashboards supplying information to the organization**

ON-LINE and for everybody involved

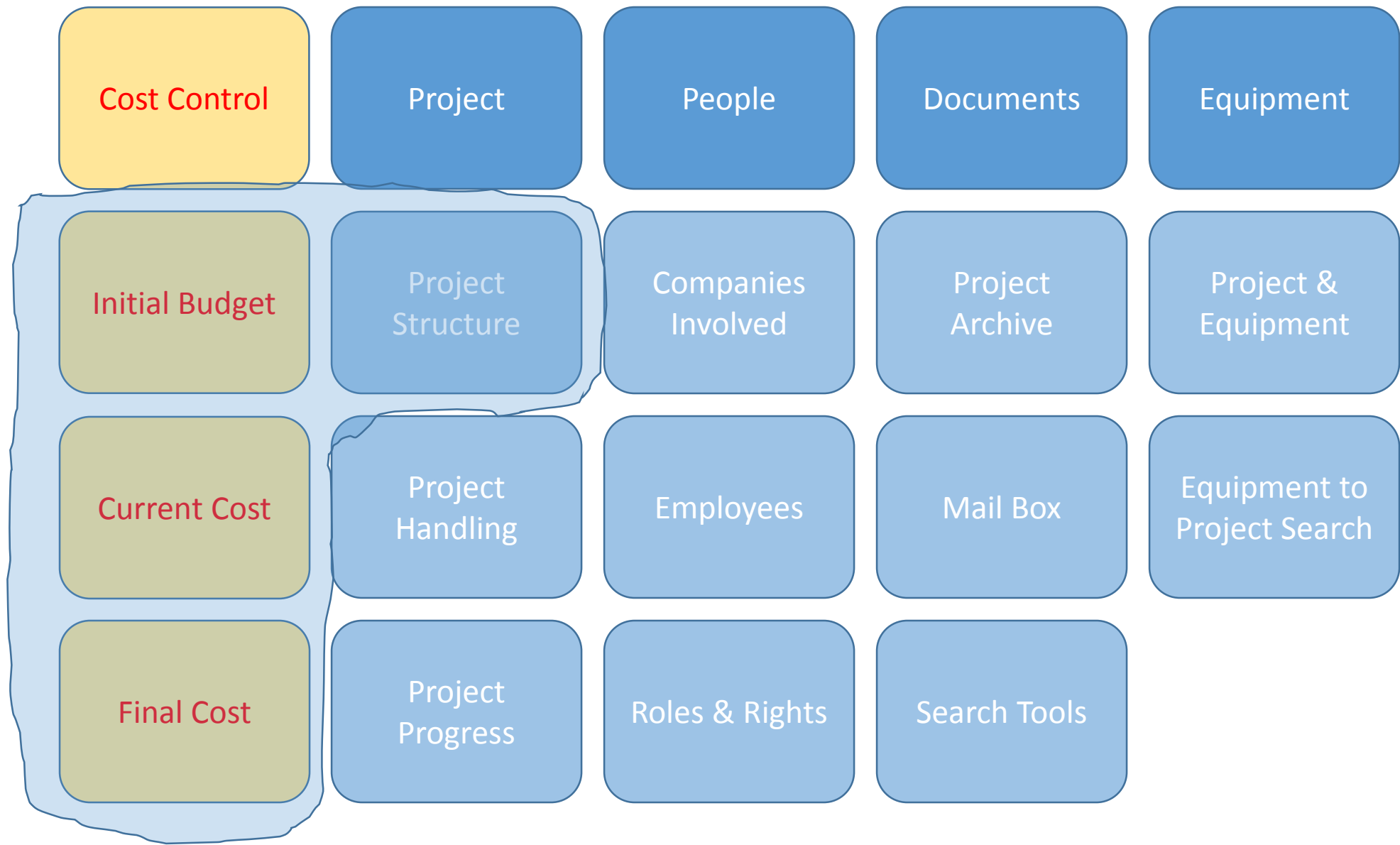


Project Management

Project Structure

Structure

- **Project structures of projects recorded in the Application follow the decimal classification system. Projects are organised as a tree structure of items, defined as PROJECT PARTS (which are provided with a unique ID, and are abbreviated as PP). While working with the database, the operator moves within the tree structure and selects relevant project parts (implements a PROJECT SELECTION, abbreviated as PS).**
- **Projects and parts and tasks are complemented with all relevant data and documents. Documents including e.g. project documentation as a PDF file or scan, are provided with searchable metadata corresponding to the project description structure. The data system thus integrates different document formats seamlessly.**
- **There are also defined project participants and operators with levels of access and authorization. Individual operators may include participants from within and without of the organisation. The software operates both in-house and as software service via a thin client. Participation across organizations and access to the system from without are secured by VPN and/or thin clients.**



Project Management

Project Progress

Project Progress

- **Project parts and project selections are further structured in the classification system and linked dynamically with shared entities: administrators, owners, participants, phases, data. One of the main advantage is a constant real-time monitoring of documents, activities and deliverables.**
- **Each project is followed from its proposal phase, through negotiations, administration, documentation (e.g. engineering documentation, procurement, transport, construction, supervision, etc.), process operation, status of individual tasks and project parts, and so on.**
- **Project participants are performing in the EH net environment as contributors and/or operators of the data structure. They participate via contributions in the project workflow. These consist of individual tasks and data (including cost control), adding documents, having always latest versions, but keeping all previous ones and so on.**
- **Individual and entity access rights and responsibilities are defined in the project and information on new contributions and/or changes in workflow is constantly updated.**
- **Actions within the data system have always a person-time stamp, so responsibility is clearly defined.**
- **Any information may be sent out from e & h NET by a personal individual channel (e-mail, SMS, fax, etc.)**



Import (Structure & Files / Documents in any format)

Engineering

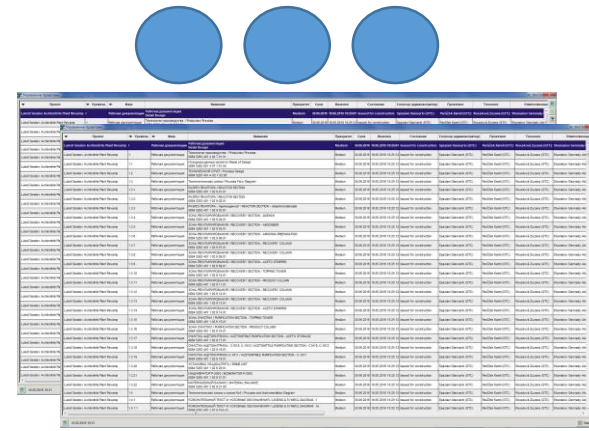
Procurement

Construction

Each Item deadline

Each Item List of Requests

Tasks (Requests) Management



Export (Structure & Files / Documents in any format)



Project Management

... and much more

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