



**Optimizing your
documents lifecycle and
business processes**



- **Document Management**
 - Managing the entire life-cycle of documents
- **Reporting and tracking any type of Quality process**
 - NCNs, CAPA, Audits

Add-on modules:



21CFR, Part 11 Conformity (software & validation)

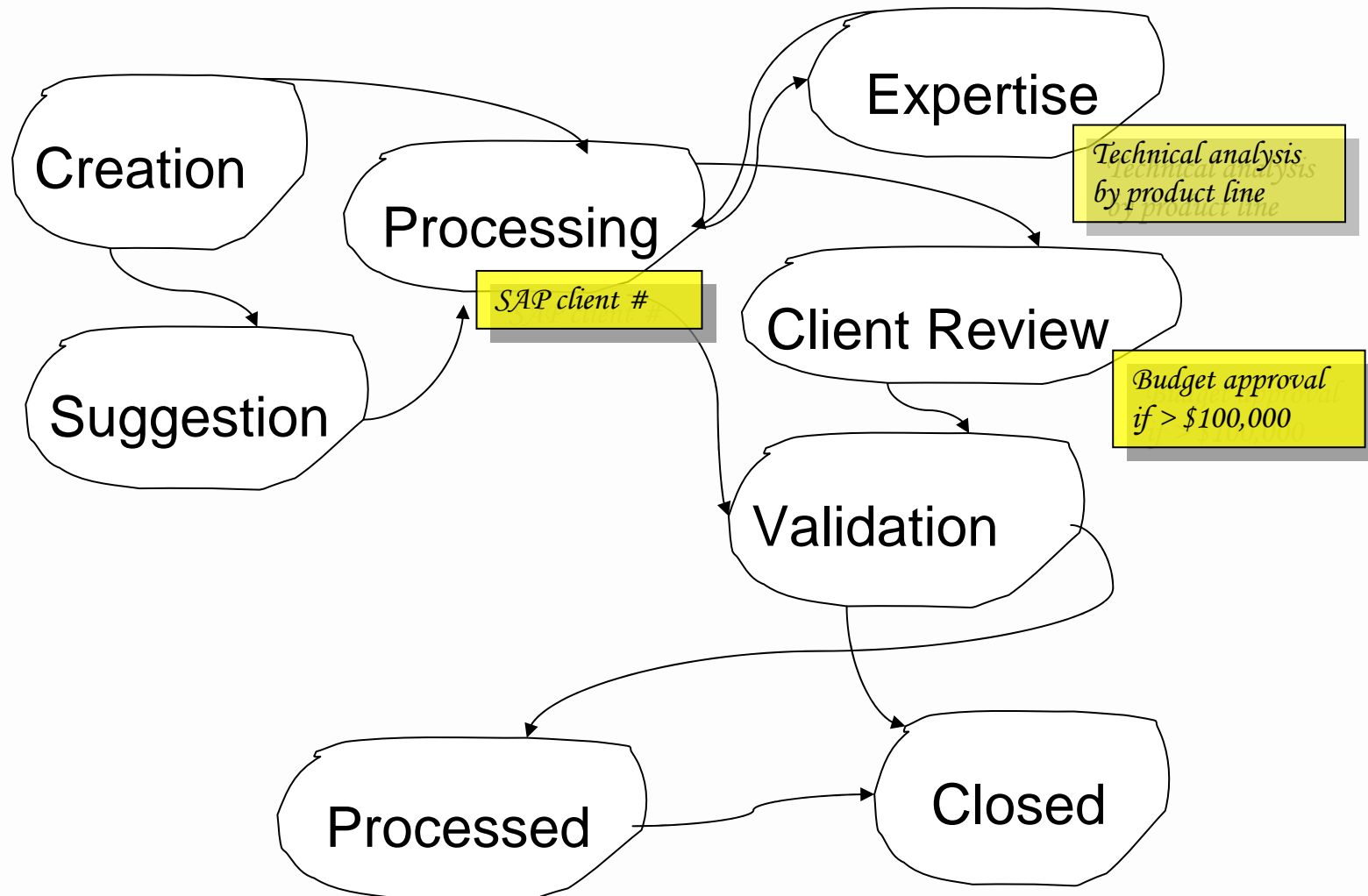
Semantic and « by concept » search engine

Automatic import of existing data

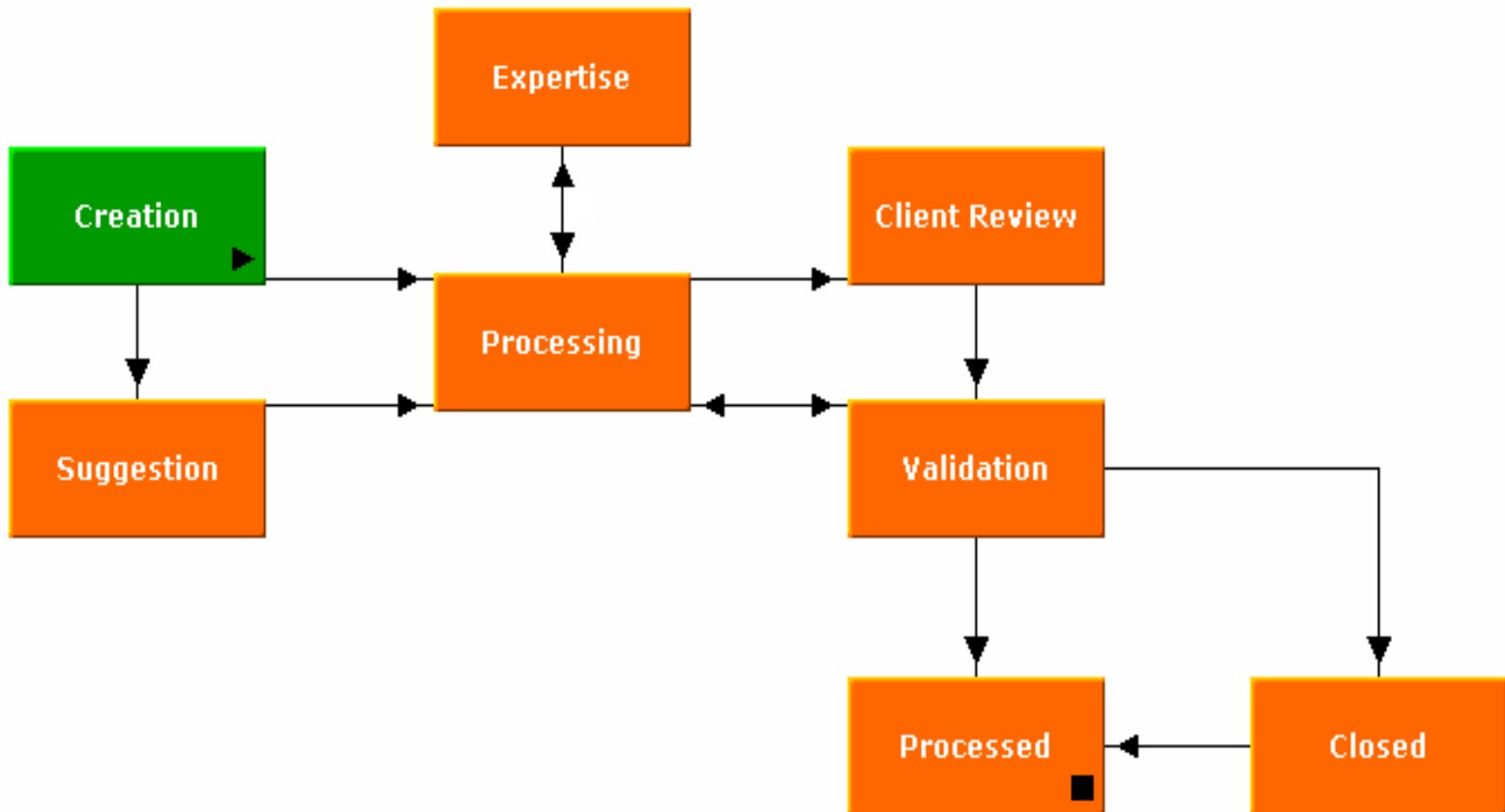
LDAP synchronization



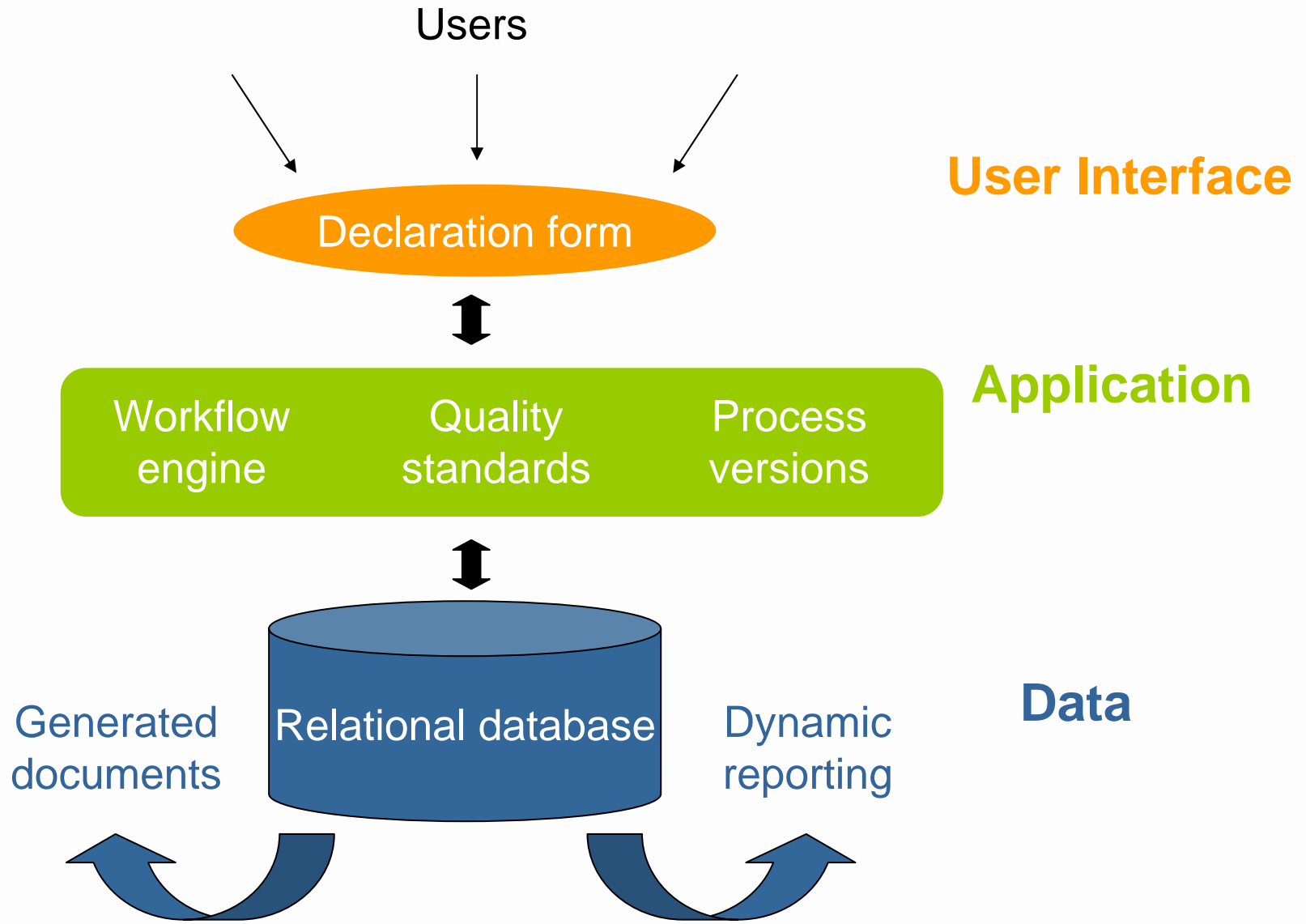
Workflow definition



Workflow modeling



A three tier solution



Technological Partnerships



- Java



- Adobe



- Corel



- Oracle



- Microsoft



- Pertimm



- IBM



Our Clients



Global pharmaceutical company dedicated exclusively to animal health.
21CFR, Pat 11 compliant EDMS – Dossier submission - Oracle – 2,000 users



GE Energy
Automation of Quality needs
Ennov – Notes– global agreement



Worldwide leading Company for nuclear power
Automation of Quality processes
Process Management - Oracle – global agreement



World Number 1 Tire Manufacturer
Automation of Quality documentation
Document Management – Oracle– global agreement

Leading market position in Gas and Engineering, Materiel Handling and Refrigeration
Automation of Quality documentation
Document Management – Oracle– global agreement



Major French Hospital
Regulatory documentation
Document Management – Oracle

General Electric Energy

eNNOV
Business Process Manager

- **General overview**

- World leader in power generation technology
- Headquarters in Schenectady (upstate NY)
- Turnover: 23 billion \$
- 35,000 employees in North America and Europe



- **Ennov roll-out**

- Document Management, Process on Notes + full-Web interface
- 6,500 registered users in 15 sites (USA, Canada, Europe)
- Ennov is now a key component of the Six Sigma corporate policy to ensure permanent improvement
 - Document Management is the standard quality MIS at corporate level
 - Process Management manages internal audits, non conformities, corrective and preventive actions



- **General overview**

- World leader in pneumatics manufacturing
- Headquarters in France
- Turnover: 15.8 billion €
- 130,000 employees on 5 continents

- **Ennov roll-out**

- Document Management on Lotus Notes + full-Web interface
- 4,000 users in 5 European business units
- Document Management is the standard quality MIS at corporate level



- **General overview**

- World leader in industrial gas production & engineering
- Headquarters in Stockholm and Munich
- Turnover: 8.7 billion €
- 46,000 employees on 5 continents

- **Ennov roll-out**

- Document Management + 21 CFR add-on for FDA compliancy
- Scope: 10,000 users in Western/Northern Europe, and the Americas



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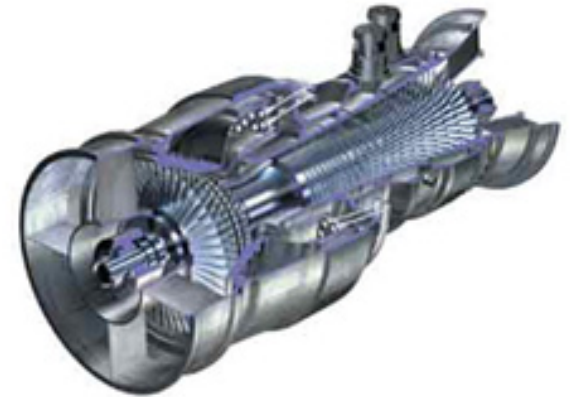


- **General overview**

- World leader in power generation and rail transport
- Turnover: 17 billion €
- 75,000 employees in 70 countries

- **Ennov roll-out**

- Doc & Process on Lotus Notes
- Management of quality documentation and incidents
- Perimeter: 5,000 users worldwide (10 countries)

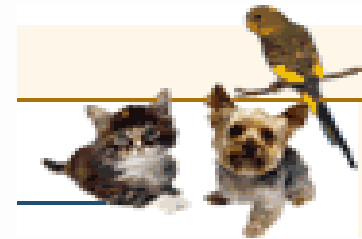


- **General overview**

- Virbac ranks 9th among veterinary companies worldwide.
- Turnover: 4.5 billion €
- 19,000 employees on 5 continents

- **Ennov roll-out**

- Specific EQDMS features – Global EDMS
- Dossier submission – management of complex documents
- Scope: 2,000 users worldwide
- Total conformity with 21CFR, Part 11 requirements



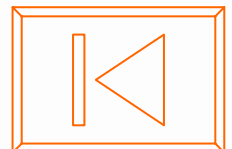
Document Management : main benefits

- **Complete management of document life cycle**
 - Creation, approval and distribution
 - Version changes
 - Automatic archival
- **Search capabilities**
 - Indices – Definition of user profiles – User preferences
 - Full text search
 - Multi-criteria search
- **Communication capabilities**
 - Email notification (customizable)
 - Forums : comments about documents
- **Easy to use – easy to configure**
 - High level of customization : types of document –workflows - index entries, etc.
 - Highly scalable : new units – new issuers – new users
 - Native management of multi-site and multi-lingual organizations
- **Providing an up-to-date information**
- **Minimizing administrative tasks**
- **Finding information easily and quickly**
- **Improving frequency of referral to documentation**
- **Reducing time to information**
- **Improving data accuracy**
- **Optimizing your ROI**



Quality Processes: main benefits

- **Easy « Draw-and-play » form definition**
 - Through any HTML editor - Similar to paper forms
 - Rich and sophisticated field definition
- **« Draw-and-play » workflow**
 - Graphical interface
 - Dates and actors management
 - Automatic document generation
 - Sub-processes management
- **E-mail notification and reminder management**
- **Instant viewing of critical/late/in progress matters**
- **Easy to use – easy to configure**
 - customization of workflows, index entries, connection to external databases, etc.
 - Highly scalable
 - Native management of multi-site and multi-lingual organizations
- **No training needed for end users**
 - No rejection risk
 - No training costs involved
- **Complete tracking of processes and responsibilities turn into :**
 - Improved security
 - Shorter time-to-react, etc.
- **No loss-of-data risk**
- **Highly scalable – Improved ROI**





- **Document Management**

- To manage any subset of documents when it is critical:
 - To monitor approval and secure distribution processes
 - Regulatory documents
 - Quality documents
 - Documents in relation with corporate identity
- To access up-to-date information easily and quickly in a multi-site environment when:
 - People concerned have various interests
 - Sites have their own organization and communication is made difficult
 - Building-up a common reference system is key

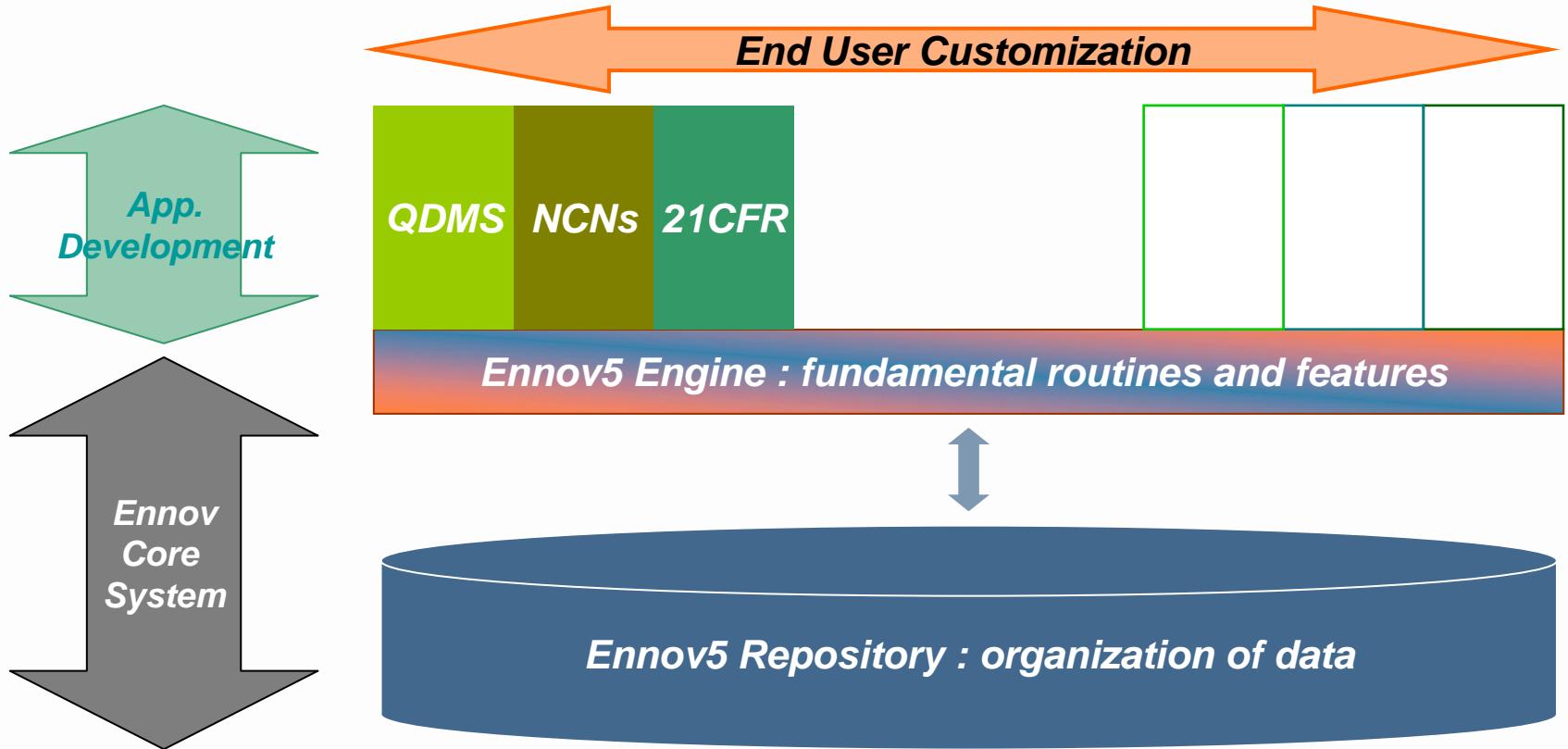
**ISO Compliant
Documentation**

- **Process Management**

- To computerize key processes when
 - Information loss or delay would be dramatically costly
 - in terms of financial costs
 - In terms of image
 - In terms of business
 - Traceability is mandatory
 - Regulatory obligations
 - Processes involve many people in various locations where
 - Communication is made difficult and costly
 - Time-to-react need to be shortened

**Quality processes :
NCNS, CA, Audits**

R5: taking a leap to J2EE



Technical Architecture

RDBMS Architecture



Database



Web Server



Web client

Oracle,
SQL Server,
DB2, MySQL

Open Source
(Apache, Tomcat, JBOSS)
Websphere,
Oracle Application Server

IE,
Mozilla
SMTP Mail System

OS :
Microsoft Windows
Unix (Solaris, AIX, HP-UX)
Linux

OS :
Microsoft Windows
Macintosh
Linux

