The electronic catalogue of equipment as a tool for establishing the suppliers chain

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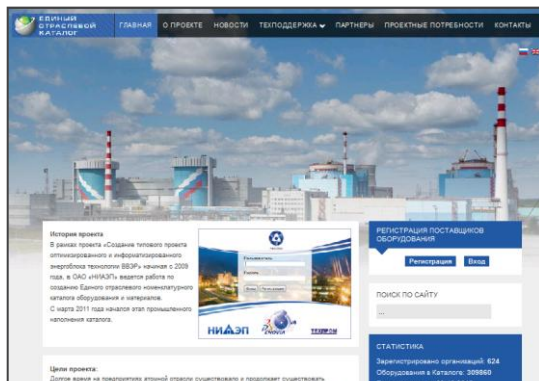
3. Examples how to fill-in the Catalogue

General info regarding the E-catalogue

The E-catalogue as the database is web-sited at www.eoncom.niaep.ru

The open part contains general info regarding the project, users operation documentation, industry news

The restricted part – contains databases, tools for the data uploading, editing, communications, so forth.
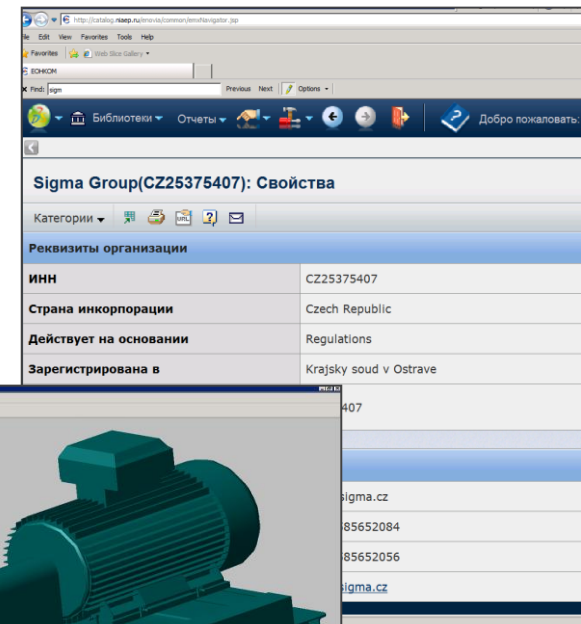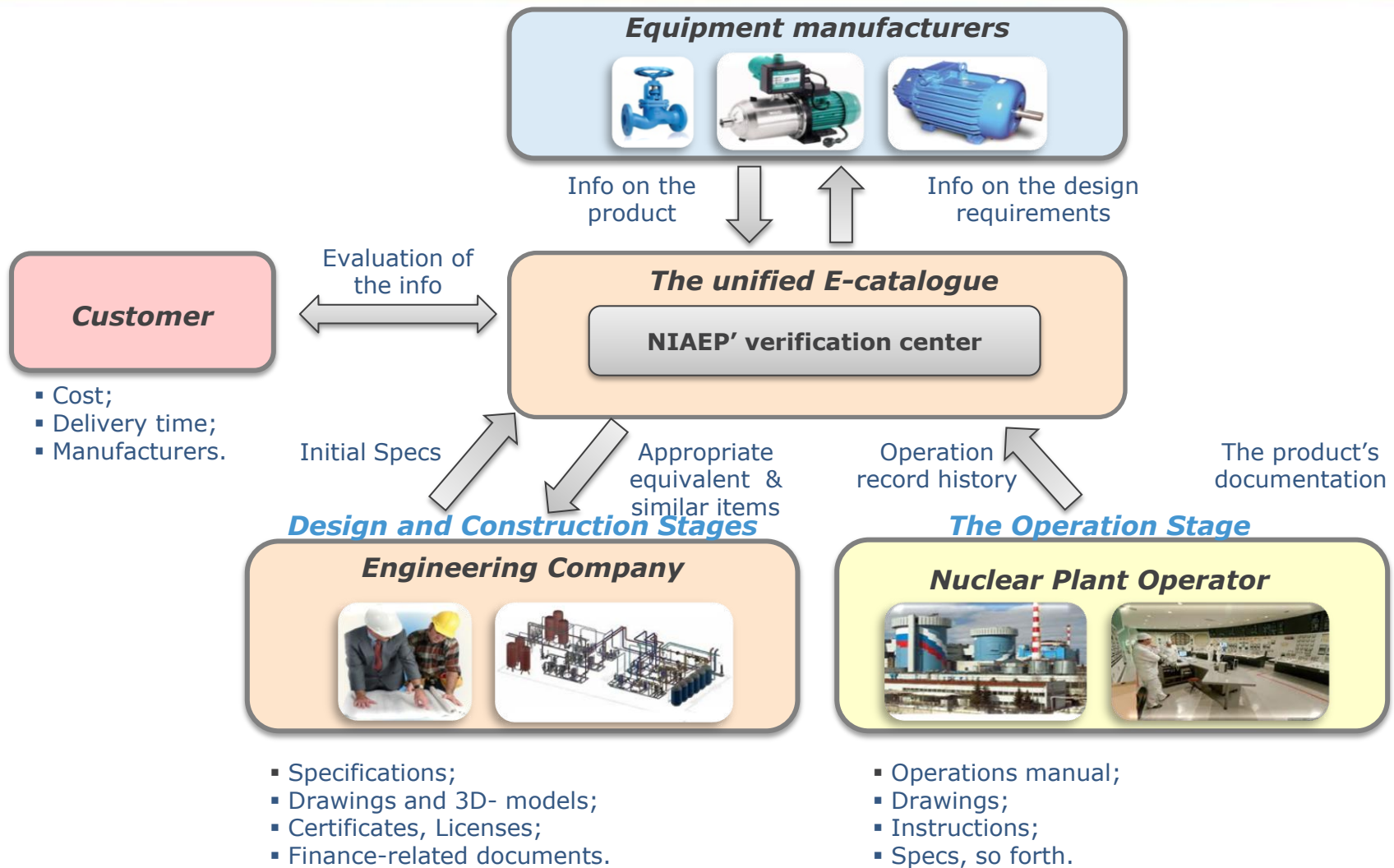
The open part

The restricted part

Logging

Data uploading

E-catalogue functional applications

Equipment manufacturers

Info on the product → ← Info on the design requirements

Customer

Evaluation of the info

The unified E-catalogue

NIAEP' verification center

- Cost;
- Delivery time;
- Manufacturers.

Initial Specs

Appropriate equivalent & similar items

Operation record history

The product's documentation

Design and Construction Stages

Engineering Company

- Specifications;
- Drawings and 3D- models;
- Certificates, Licenses;
- Finance-related documents.

The Operation Stage

Nuclear Plant Operator

- Operations manual;
- Drawings;
- Instructions;
- Specs, so forth.

How to upload the data to the E-catalogue

The relevancy, authenticity, and completeness of the data contained in the E-catalogue is assured by the following baselines :

❑ Each supplier undergoes the portal logging procedure for obtaining the individual login and entry;

❑ The supplier individually uploads the data regarding amount of products and all the accompanying technical documentation;

❑ The access to the guidance documentation web sited at (www.eoncom.niaep.ru) helps and facilitates operations within the E-catalogue

❑ Each supplier is being followed on-line by the E-catalogue verification center

❑ The supplier automatically obtains the notifications regarding the verification status of the E-catalogue's entries
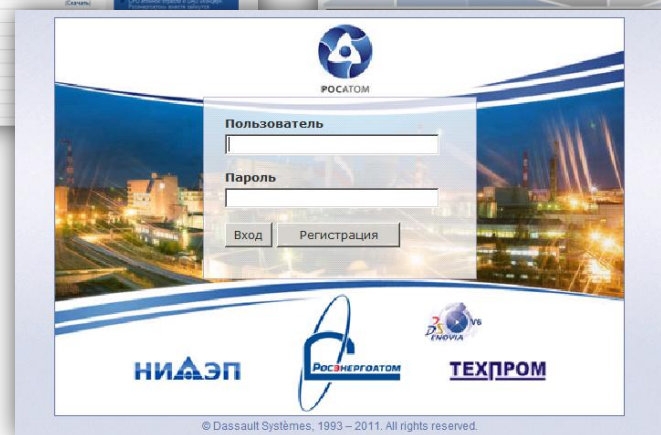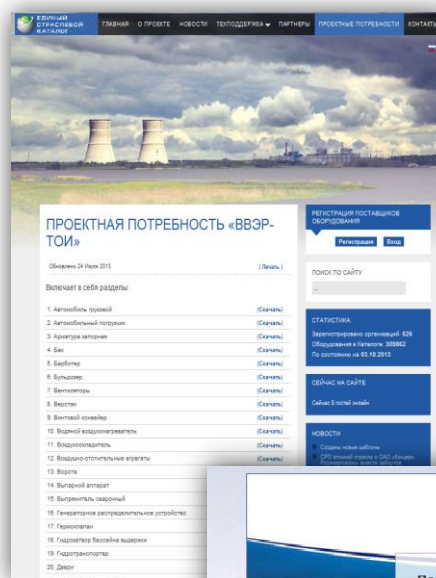
Requirements for filling-in the E-catalogue

The supplier has to upload the following types of information regarding the equipment :

❑ **Characteristics and Properties**:
   - Specifications,
   - Wight & Dimensions,
   - Application Safety,
   - Climatic Category,
   - Resistance to the external Impacts,
   - Classification as per Industry Norms and Standards

❑ **Documentation**:
   - Technical Data,
   - Operation Manuals,
   - Licenses and Permits.

❑ **3D-Models**:
   - Sizes and Dimensions,
   - Coupling Dimensions and Characteristics.

Localization Procedure

Application Flowchart

Requirements Management Module

Cost Management Module

Designing Management ModuleМодуль

Basic Design

Localization Area

Basic Technical Project	Tender	→ Design Specs
↓ Initial Specs	⬆ ⬆ ⬆	⬇
ENOVIA Equipment Catalogue →	Design Catalogue (the early specification)	
⬆ ⬆ ⬆ Specs Specs Specs		
Manufacturing Companies	Cost of the Nuclear Plant ←	SP3D Detailed Design
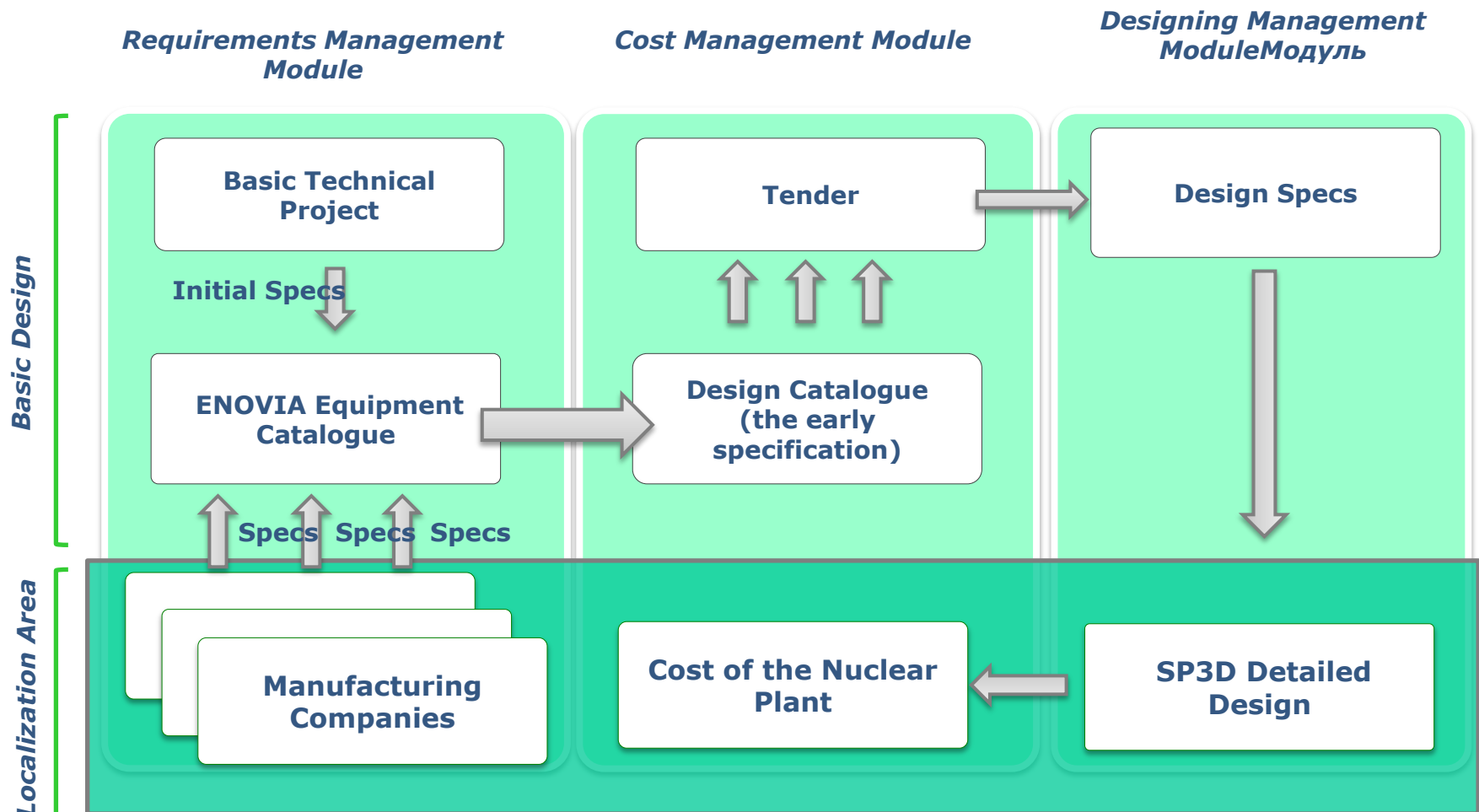
Evaluation Criteria. Localization.

☐ The E-catalogue features a special function for automated selection of products for the specific project of the NPP in the design or construction stage.

☐ The technical characteristics of search of the initial project's specification are stored in the database for enabling control over the E-catalogue degree of filling

The built-in tools allow to print out the analytical reports :
- % of localization for the given country of origin
- % of localization for a given supplier
- % of uploading of the E-catalogue for a given NPP

Evaluation Criteria. Cost

❑ The E-catalogue collects and stores cost information regarding a given product on a dedicated tag.

❑ Each cost-related value is substantiated by available documents, and includes info on the supplies and original price quote.

❑ E-catalogue enables to store unlimited number of cost-related characteristics for various construction sites.

		Источник цены	Регистрационный номер документа	Дата документа	Цена без НДС	НДС	Название АЭС	Номер блока АЭС	Дата поставки	Документ-источник
		Договор	Приложение №1 к ДС №006-1/82-08/6	30.01.09	1744834.17 rub	314070.15 rub			31.07.09	
		Договор	ДС 40/32-1/282/1182-11	30.05.11	1795000.0 rub	323100.0 rub			31.03.12	
		Договор	ДС №2 к Договору №006-3/625-09	05.05.10	2194915.0 rub	395084.7 rub			30.06.10	
		Договор	Приложение №1 к ДС №006-1/82-08/6	30.01.09	2420253.85 rub	435645.69 rub			31.07.09	
		Договор	Приложение №1 к ДС №006-1/82-08/6	30.01.09	1744834.17 rub	314070.15 rub			01.01.09	
		Договор	ДС 40/32-1/282/1182-11	30.05.11	1795000.0 rub	323100.0 rub			31.03.12	
		Договор	Приложение №1 к ДС №006-1/82-08/6	30.01.09	1744834.17 rub	314070.15 rub				
		Прейскурант производителя			1800000.0 rub	324000.0 rub				

Based on the collected cost- related data, the E-catalogue enables to generate an additional criterion for the supplier selection выбора.

Evaluation Criteria. Quality

The E-catalogue enables to collect the data for the quality control points

1. **Preparedness for production.**
2. **Acceptance and Testing.**
3. **Receiving Control.**
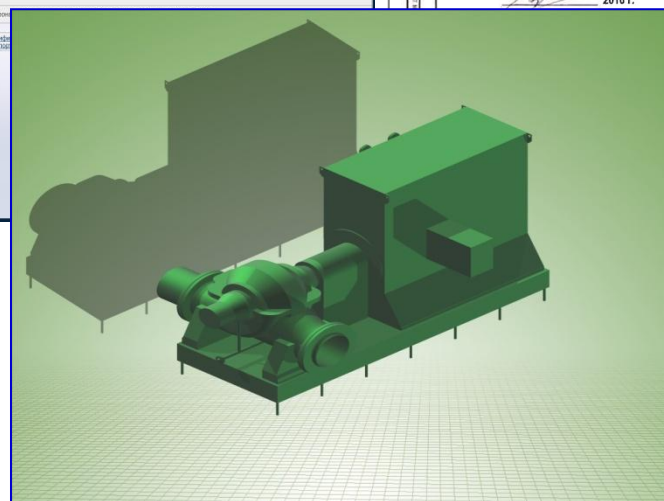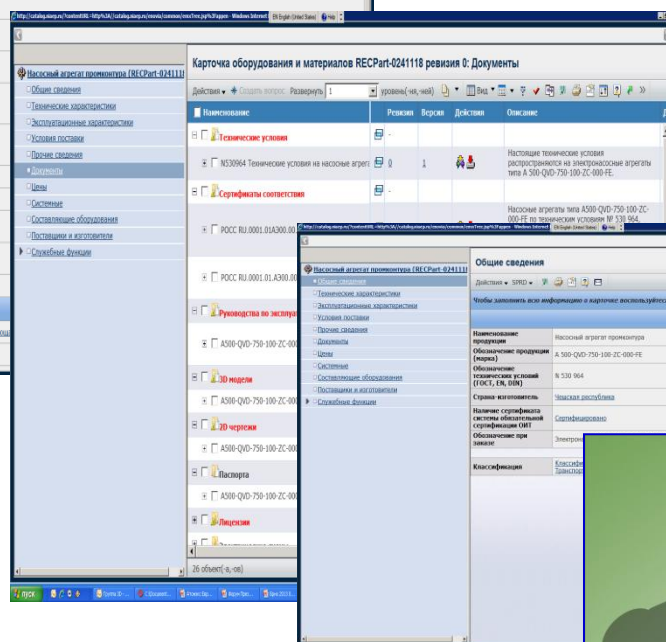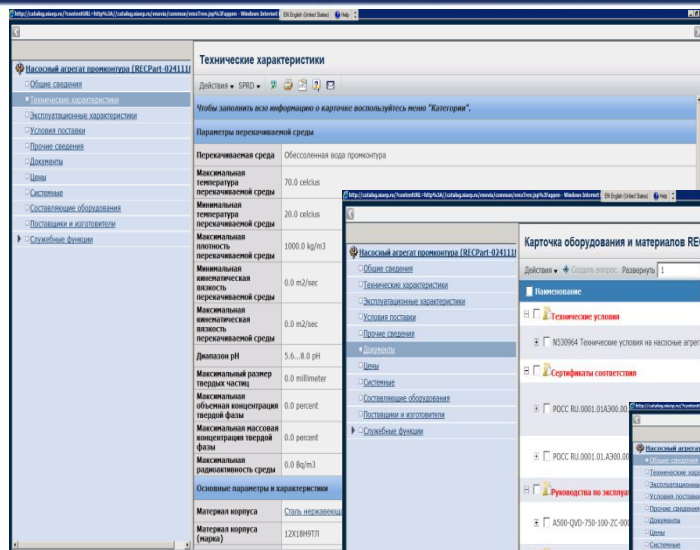4. **Operation Control.**

The info can be validated by documents.

The summary analysis over all the quality control points attributes to the supplier the general quality rating, which may be accessed by the authorized Catalogue User.

E-catalogue Entry Structure. Sigma

E-catalogue Entry Structure. Armatury group

Thank You for Attention!

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