



STATE ATOMIC ENERGY CORPORATION "ROSATOM"

Rosatom Engineering & Construction Division

Unified Nuclear Industry Catalogue of Equipment and Materials for Machine-Building Enterprises of RF and Foreign Countries (UNICEM): Role of Manufacturers and Suppliers

ATOMEX-Asia 2014
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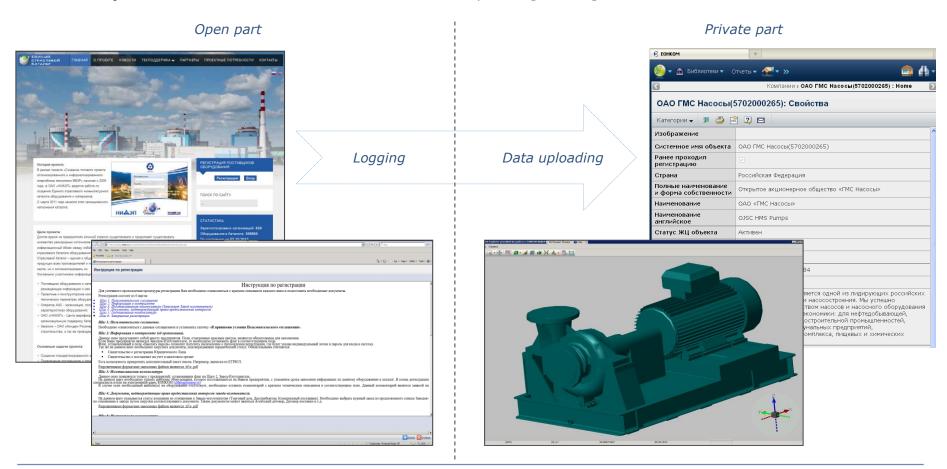
About the UNICEM project



UNICEM as database is web-sited at www.eoncom.niaep.ru

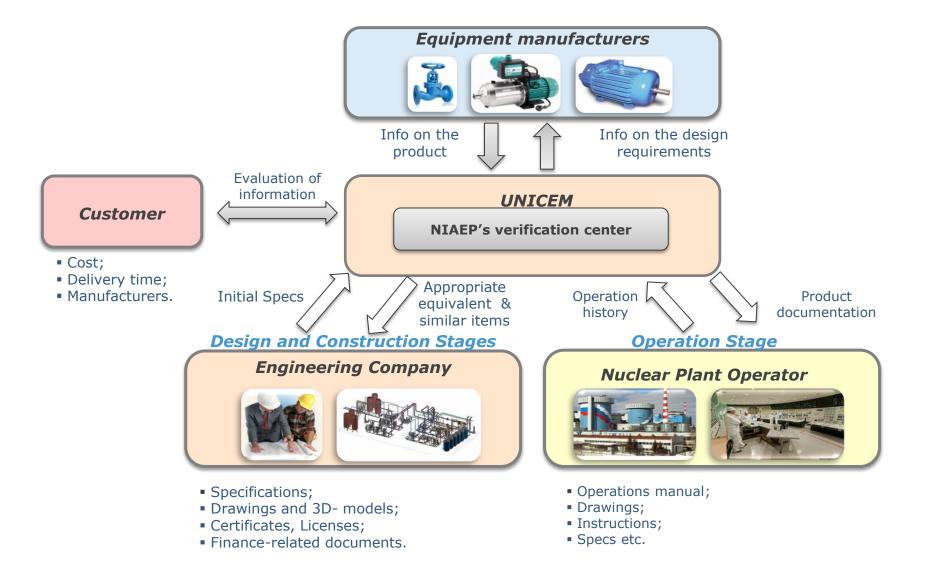
Open part contains information on the project, user guidance documentation, industry news

Private part – contains databases, user tools for data uploading, editing, communications



UNICEM functional applications





How to upload data to UNICEM



The relevancy, authenticity and completeness of information in UNICEM are assured with the following guidelines:

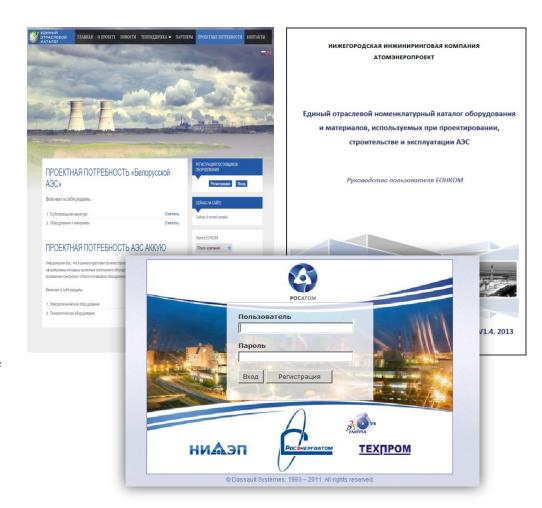
□ Each supplier undergoes the portal logging procedure to obtain the individual login and entry;

☐ 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 UNICEM

□Each supplier is followed on-line by the UNICEM verification center

☐ The supplier automatically obtains notifications of the UNICEM entries verification status



UNICEM fill requirements



The following amount of equipment information is to be applied by the Supplier:

□Characteristics and Properties:

- Specifications,
- Weight & Dimensions,
- Application Safety,
- Climatic Category,
- Resistance to External Impacts,
- Classification as per Industry Norms and

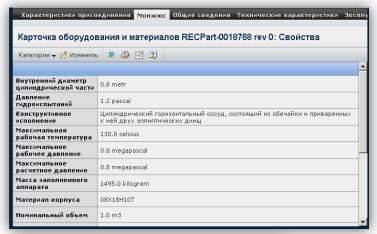
Standards

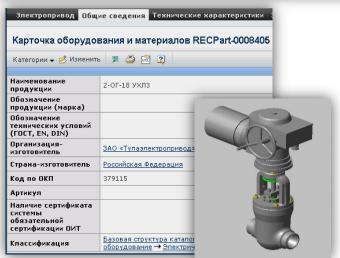
□Documentation:

- Technical Data,
- Operation Manuals,
- Licenses and Permits.

□3D-Models:

- Dimensions,
- Coupling Dimensions and Characteristics.

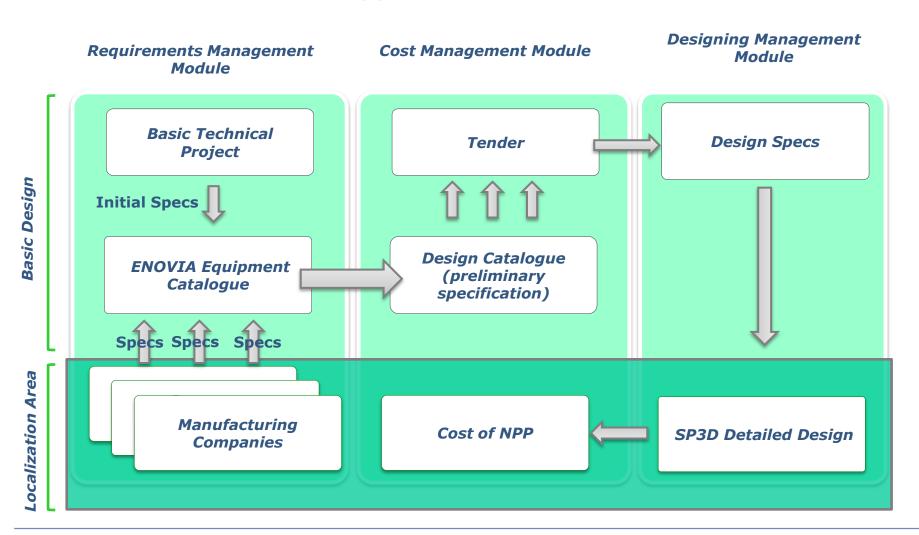




Localization Procedure



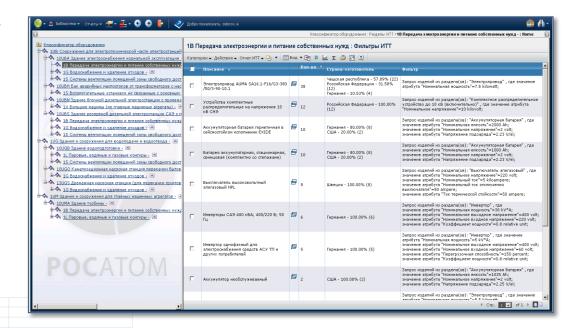
Application Flowchart



Evaluation Criteria. Localization



- ☐ The UNICEM features a special function for automated selection of products under specific project of NPP design and construction.
- ☐ Technical characteristics of the initial project specification search are stored in the database for enabling control over UNICEM filling degree.



Отчет по проекту АЭС Аккую 5-ноября-14

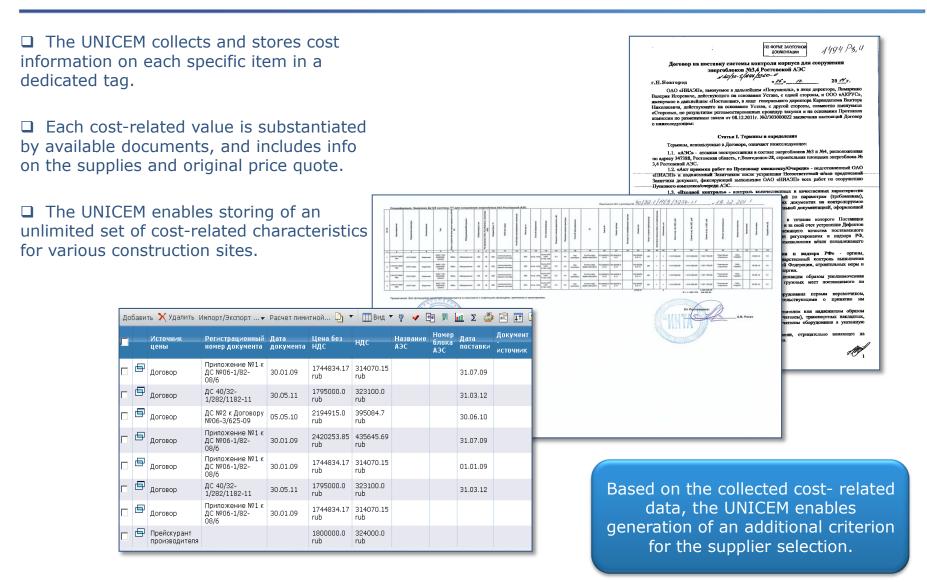
		Параметры отчета	Значение
1	l	Общее количество позиций в разделе/классификаторе:	18 455
2	2	Количество позиций, с записями об оборудовании, шт.	15 597
3	3	Количество позиций, с записями об оборудовании, %	84.15 %
4		Локализация оборудования и материалов по странам:	
	ı	- в % от общего количества позиций в разделе/классификаторе (п.1)	Российская Федерация - 51.51 % Чешская республика - 18.42 % Украина - 13.58 % Беларусь - 0.34 % США - 0.11 % Китай - 0.11 % Южная Корея - 0.02 %

The built-in tools allow to print out the analytical reports on:

- % of localization as per the country of origin
- % of localization as per the supplier
- % UNICEM filled as per NPP facilities

Evaluation Criteria. Cost





Evaluation Criteria. Quality



The UNICEM enables gathering information on the points of quality control

- 1. Availability for production.
- 2. Acceptance and Testing.
- 3. Incoming Control.
- 4. In-service Inspection

The information is documented

Системное имя

Классификация

Производитель

Номер документа

Дата документа

Статус контроля

качества

Описание

Поставщик

Тип оборудования

Оборудование

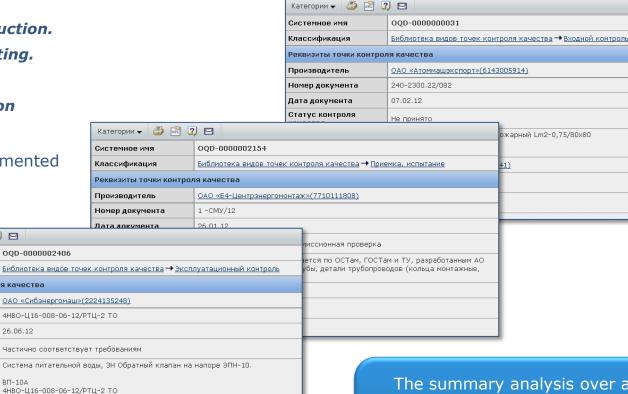
Категории 🕶 🎒 🔝 🛂 🖂

Реквизиты точки контроля качества

OQD-0000002406

26.06.12

Нет данных



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.

UNICEM in Figures



Enterprises within UNICEM:

Totally recorded – 763, including:

- Republic Of Belarus 133
- Czech Republic 36
- Other countries 32

Products:

Totally entered items ready for usage – 207 507, including products of foreign origin – 17 204.

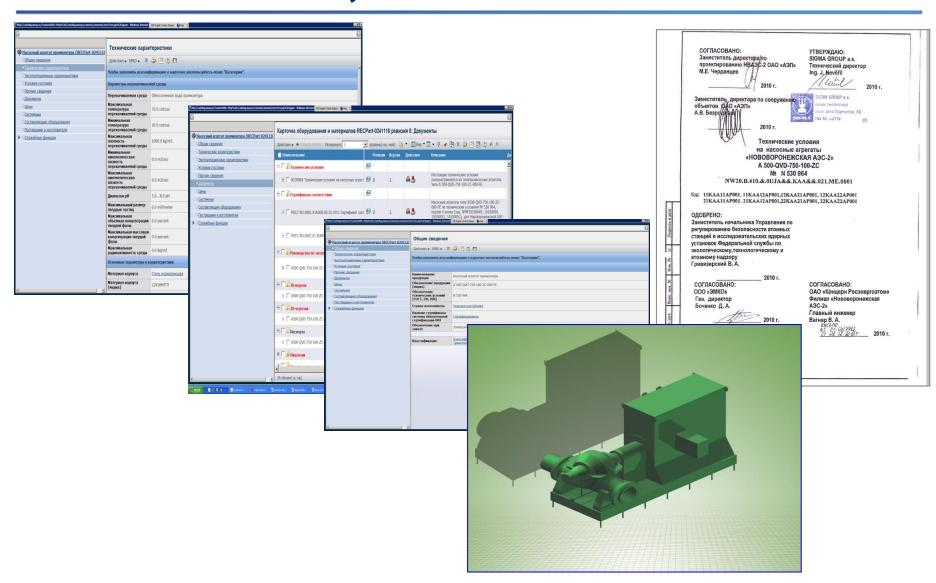
Localization over current NPP projects:

Conformity of products to the project demand for NPP Akkuyu – 83,61%, including products of foreign origin – 32,4%

Conformity of products to the project demand for Belorussian NPP – 89,65%, including products of foreign origin - 27,9%

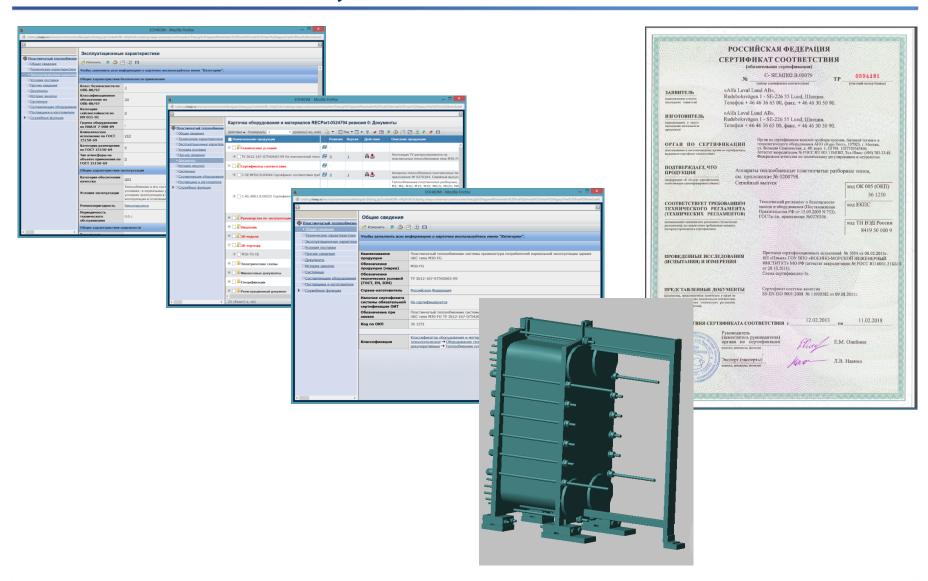
UNICEM Entry Structure. SIGMA GROUP a.s., Czechia





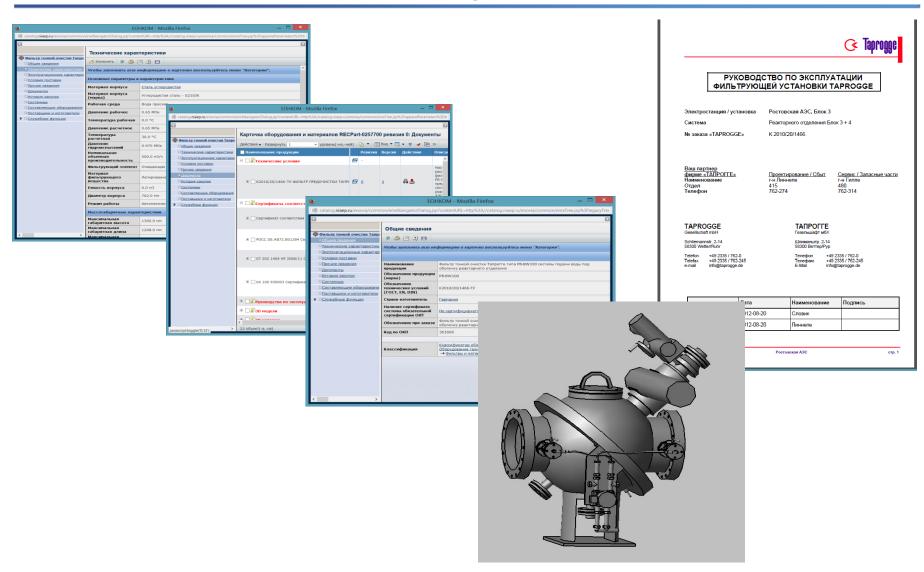
UNICEM Entry Structure. Alfa Laval Lund AB, Sweden





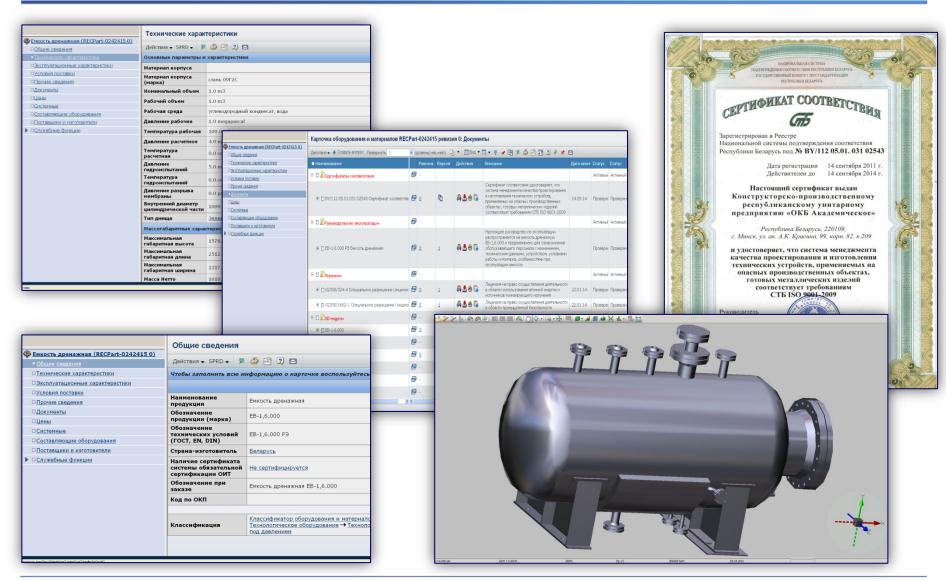
UNICEM Entry Structure. TAPROGGE GmbH, Germany





UNICEM Entry Structure. JSC «OKB Akademicheskoye» Republic of Belarus





Contacts in NIAEP-ASE



THANK YOU!

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