## Unified Industry-Specific Nomenclature Catalogue of NPP Equipment and Materials

Elaboration of the Unified Industry-Specific Nomenclature Catalogue of NPP Equipment and Materials (UISNCEM) was launched in 2011 within the frames of development of the typical Project of Optimized and Information-Supported Generating Unit on the Basis of VVER-TOI Technology.

The main goals of UISNCEM elaboration were determined as follows:

 Simplification of designing and procurement;
 Creation of a centralized database on equipment and materials.

The catalogue is a comprehensive systemized and user-friendly database about all products manufactures for the needs of nuclear industry (see Fig. 6.1).
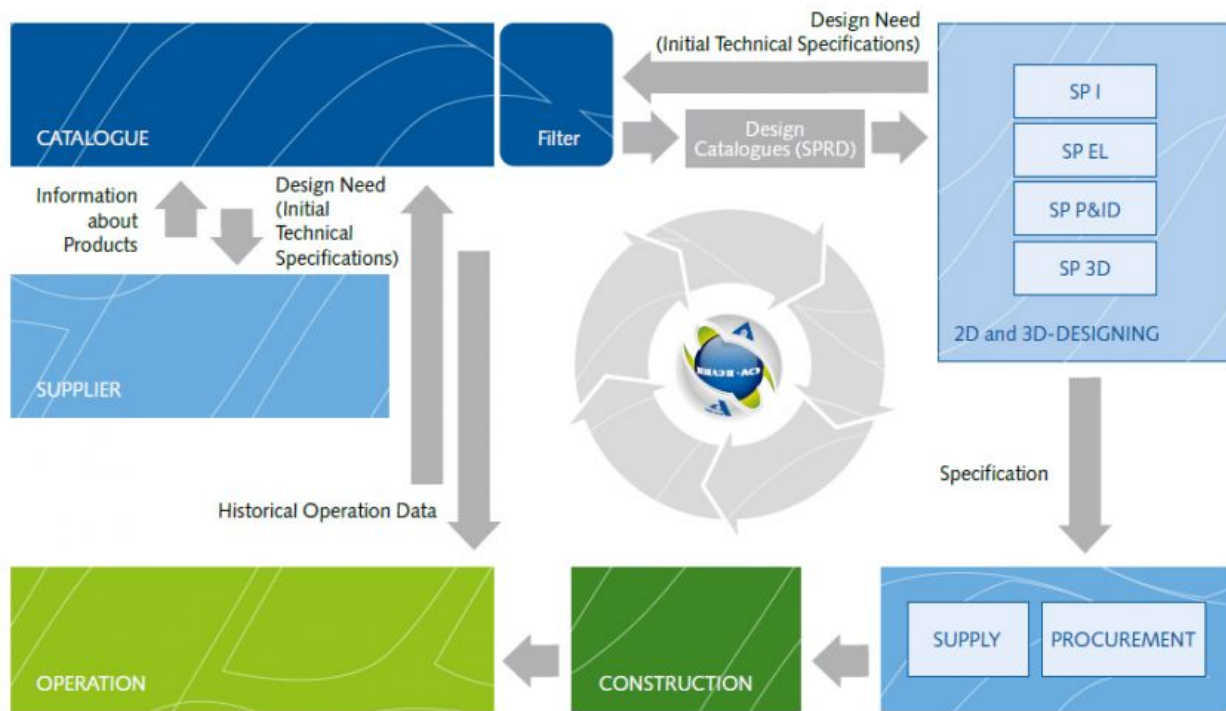
### Fig. 6.1. UISNCEM Application Concept

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In December 2012 the Company completed the first stage of the UISNCEM project. On the basis of the first stage results an effective tool was elaborated for optimization of design processes and further procurement of equipment. Optimization is based on application of the centralized equipment and materials database formed in accordance with information of the manufacturing plant.

As of the end of 2012 the centralized NPP equipment and materials database included 2 thousand nomenclature types of products. A unique pattern of standard description of technical and operational characteristics was created for each product.

Over 500 manufacturers and suppliers are registered in the capacity of permanent partners and participants of the UISNCEM project, including more than 100 foreign ones. The catalogue includes over 140 thousand notes on equipment (equipment cards) and over 15 thousand various 3D-models. The Verification Center established in NIAEP provides manufacturers and suppliers with informational and methodical support and secures monthly processing and verification of up to 1.5 thousand of equipment cards created by them.

Among the registered users of the system there are over 60 employees of design subdivisions of the Integrated Company, Atomenergoproekt and SPbAEP which introduced UISNCEM as the main source of data on manufactured products.

It is planned to include information on new types of products in the database and verify these data in 2013. Moreover, an increase in quantity of UISNCEM constant users to 150–200 people is expected in the industry by the end of 2013.