



EDUCATION

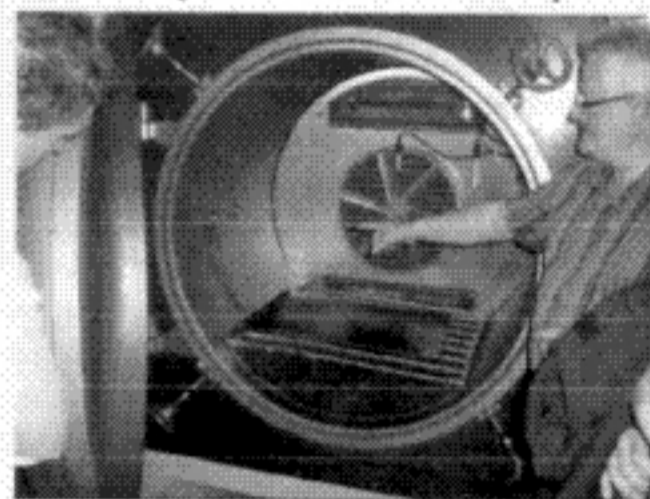
Step to developing cooperation between Uzbekistan (TDAI) and Belgium (De Nayer)

From 3 until 20 June 2008, 2 docents and 3 students of TDAI were guests at De Nayer.

The study visit of the docents and students was a test run for the courses which are made by De Nayer for the new bachelor curriculum in satellite design for TDAI, Tashkent.

De Nayer instituut is a university college for applied engineering in Sint Katelijne Waver, Belgium. In its long history over 9000 engineers graduated here in the study fields of electro-mechanics, civil construction, chemistry and electronics.

The Tashkent State Aviation Institute (TDAI) is the one and only aviation high school in the Central Asia and was founded by the President of Republic Uzbekistan, I.A. Karimov on 31 May 1995.



The new curriculum is a setup in the European TEMPUS project (TEMPUS JEP27042

2006) "Neues Curriculum in Raumfahrttechnik", in cooperation with the Technische Universität Berlin. Tempus is a European Community (EC) programme designed to stimulate cooperation with the Eastern European and Central Asian countries, the Western Balkan countries and the Mediterranean countries in the field of higher education. It supports the restructuring and enhancing of higher education systems through financing grants to encourage interaction and balanced cooperation between universities in the partner countries and the European Community.

During the study visit at De Nayer, a programme was set up to instruct the participants for use of the new curriculum, and to show students different aspects of the aerospace industry and services in Belgium.

Students and docent were trained in the use of the design software which will be installed in Tashkent for use in the new curriculum. (In autumn more students from TDAI will go to Berlin for a training specifically in the hardware of satellites.)

In November a delegation of De Nayer will go to Tashkent to set up a CAD-laboratory (Computer Aided Design



lab) at TDAI for use in the new curriculum. Hard- and software will be financed by the TEMPUS-project.

To give information about different aspects of the aerospace industry a number of activities were organised. A visit to ASCO nv (which produces parts for AIRBUS and BOEING) with an overview of the parts being designed and produced for the landing gear of the Airbus A380.

A visit was made to trafficmanagement VTS Zandvliet (traffic control centre of the Antwerp harbour). Like in air traffic control, VTS Zandvliet manages the space and timeslots ships have to use to enter or leave the Antwerp port and locks.

A visit to the Euro Space Center illustrated past and modern space techniques.

A visit to the electronic testing facilities at PCC (Product Certification Center of Labo De Nayer), research institute of De Nayer on electromagnetic radiation and influence on electronic devices showed all facets of testing of components for spacecrafts.

Finally a guided visit to Brussels national airport was organised to understand the logistics and management of ground movements. Baggage services, ground control and refuelling services of airplanes were visited.

Through this project and study visit we hope to enhance our cooperation and give opportunities to Uzbek students to come to Belgium for more training or for internships.

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