

RESTRUCTURING OF THE EXPERIMENTAL HYDRAULIC SYSTEM OF THE DEPARTMENT OF ENGINEERING



WHERE:

With its 8,000 students, the Faculty of Engineering in **Palermo** is one of the largest in Italy, with modern, state-of-the-art equipment in line with European standards.

The University is both a place of study and a centre of social life, visited by thousands of people every day. The building itself required several jobs and restructuring of the hydraulic system.

WHEN:

November 2015



THE REQUEST: MODERNISATION OF THE EXPERIMENTAL HYDRAULIC LABORATORY

The circuit in the structure is of an experimental type, with the aim of feeding turbines for electric energy production.

A solution with inverters was proposed, rather than standard pumps, to manage the variations of the hydraulic performance expected from the turbine, in this case installing a set of 3 multistage vertical centrifugal pumps, type NKV.

- 3 NKVE 45/3 T

