

P.2 HUMAN RESOURCE DEVELOPMENT IN SHIPBUILDING TECHNOLOGY FOR INDUSTRY AND EDUCATION IN BRAZIL: A CASE STUDY AT FEDERAL UNIVERSITY OF PERNAMBUCO

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Brazilian Federal Government strategy to become Pernambuco State in one of the main global hubs of goods and services in oil, gas, naval and offshore, in order to support these developments, in August of 2010, Aiming to high level human resource development in shipbuilding technology for industry and education Federal University of Pernambuco (UFPE) established undergraduate course in naval and ocean engineering. Previous to undergraduate course, in 2007, a graduate course in naval and ocean engineering was established in Graduate Program of Mechanical Engineering.

Furthermore, a human resource formation program financially supported by Brazilian Oil & Gas Company Petrobras was started selecting more than 100 undergraduate students from naval and mechanical engineering courses to develop research works in these fields. However, due to the lack of experts in these fields in Brazil, international agreements were established with top Finish Universities (TUAS,

SAMS, LUT), and also with The University of Tokyo, National University of Yokohama, shipyards of Brazil.

As a result, International agreements have allowed delivery of several intensive courses by experts in shipbuilding (welding, productivity in shipyards, fracture mechanics, propulsion systems, ship design), organization of workshops with participation of Professors from Japan Finland, USA, UK, shipyards, improvement of foreign language skills (Japanese). Additionally, students Have been sent to top universities of those countries and also to UK, USA, for higher education, conduct internship in shipyards and in related industries. To improve skills of students in design, construction and performance of ships, participations in domestic and international contests as in Switzerland, Japan are supported. So, it is believed that these human resource can be employed for advanced new ocean technologies such as OTEC.