

Invited Lecture

70 years of the Steam Turbine Engineering Office in Elblag 1948-2018,

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The purpose of the presentation is to share history of machines and engineers that helped after World War II to reconstruct and develop energy system in Poland till XXI century when Design Office in Elblag become global engineering center. ZAMECH was founded in 1948 with great support from professor Robert Szewalski team from Gdansk University of Technology. In following decades there were being developed and manufactured new generations of steam turbines starting from 500 kW in 1950 through TK50 - 50 MW in 1957 year, TK120 - 120 MW, TK200 - 200 MW, 18K360 - 360 MW to 465 MW which was the largest design in Zamech. Starting in 1990 Zamech become first privatized company in Poland and changed name for ABB Zamech. It started time of dynamic modernizations of installed turbines starting from low pressure modules. Next owner starting from 2000 year was Alstom and finally in 2015 become General Electric. In its 70 years in Design Office worked 1000 engineers who released more than 1,6 million documents. To commemorate that anniversary there were organized starting from 2018 series of conferences. There was published a book about design office. In June 2020 there was given name ZAMECH to the biggest roundabout in Elblag and finally in 2021 there was created article in Wikipedia about Zamech.