

The Art of Design in Warsaw – A Blend of Tradition and Innovation

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Abstract. Design activities at the Warsaw University of Technology have been carried out since the 1920s, including during World War II. Several famous aircraft were designed during that period, including the P.7, P.11, P.24, PZL-104 Wilga (1,500 produced), TS-11 Iskra (700 produced), PZL-106 Kruk (360 produced), and the Dromader (300 produced).

Several highly impressive aircraft projects were also developed, such as the PZL-230 Skorpion and the highly manoeuvrable GROT-2. These achievements were possible thanks to the involvement of experienced designers and well-educated young engineers. Another important factor was the application of modern design tools such as Siemens NX

The Warsaw region hosts renowned universities (WAT, WUT), research centres (ILOT, ITWL, and WIML), and production facilities such as PZL-WSK Okęcie, Wojskowe Zakłady Lotnicze, and Zakłady Optyczne Grochów.

Our specialists not only address the needs of the Polish military and civilian sectors, but also closely monitor developments on the international market.

One may ask whether everything we are doing is perfect. Certainly not — many aspects can still be improved. What are we doing to become more effective in the future? As in many other countries, we need increased funding to support broader research and more advanced design processes, including optimisation and safe testing.