**Press Release October 2023**

**The New Critical Capability of Turkish Naval Forces:**

**STM Completes Acceptance Tests of GEMED Project**

*Acceptance tests have been completed for the Naval Warfare Effectiveness Analysis Model (GEMED) Project. The developed simulation system will strengthen the capability of the Turkish Naval Forces in the analysis and procurement phases of system and tactical development processes. The GEMED Model will increase the Turkish Navy's combat readiness level, allowing analysis of battle scenarios through batch runs in a virtual environment before actual field application.*

Developing advanced technologies in the Turkish defence industry, STM Savunma Teknolojileri Mühendislik ve Ticaret A.Ş. continues to equip the Turkish Army with indigenous and innovative software systems. STM has successfully completed the acceptance tests of the Naval Warfare Effectiveness Analysis Model (GEMED).

**Operations will first be experimented in virtual environment before actual field application**

Commenting on the project, Özgür Güleryüz, General Manager of STM, reminded that STM has significant experience in the creation of simulation and decision support solutions.

“We are strengthening our Navy by producing modern, national platforms. In addition to that, we are developing software systems that will add intelligence to these platforms and supply decision support to their headquarters. As a simulation-based decision support solution, GEMED will allow our Naval Forces to evaluate the combat effectiveness of existing -or designed- military platforms and their applied -or proposed- tactics by providing scientific decision support . We have developed models of nearly 100 combat elements and their subsystems. These platform, sensor, weapon, and countermeasure models will allow effectiveness analyses for surface, underwater and air operations. Battle scenarios might be tested many times in a virtual environment before being actually applied in the field. GEMED will increase our Naval Forces’ combat readiness level”, Güleryüz said.

**More than 40 different operations have been tested in GEMED Model**

Developed by Turkish engineers, GEMED provides decision support for ship design/modernization, procurement and tactical development. More than 40 operations, in naval, air and underwater domain, have been ran and tested so far. The analysts can assign different tasks to relevant platform models and even create conditional plans. Through multiple runs, experimental design and multi-criteria decision-making techniques; different platform-system configurations and tactics might be inspected in varying environmental conditions.

**GEMED Video:** <https://we.tl/t-KvkFnBOpqA>

**About STM**

STM has been serving the Turkish defence sector for over a quarter of a century in such areas as engineering, technology and consultancy, working in fields that are critical for Türkiye and its allies. It applies its advanced capabilities and technologies to a broad range of strategic fields, ranging from naval platforms to tactical mini UAV systems, from satellite works to cybersecurity, and from big data analytics to artificial intelligence applications.