

STRATEGIC ENABLERS & FORCE MULTIPLIERS

(FR) Energy Operational Function (EOF)

(Established in March 2018)

For Public Release

PROJECT DESCRIPTION

This project will offer interesting operational perspectives with few investments and an opportunity to pool widely spread competences and initiatives. Sharing of training and experimentation, energy support and cyber expertise (as needed), a vision as to the developments of energy, air, motor (combat vehicles), naval industries, soldiering and an influence strategy within EU, NATO, IEA (among others) could be envisaged.

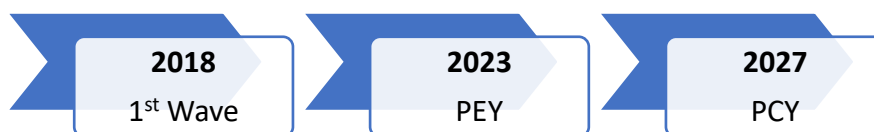
However, the main focus of the project are the modules of an operational camp and its interfaces with other platforms and equipment. Focusing on energy (power, gas, petrol) expertise in the operational area, the EOF would be used to federate initiatives in the operational energy domain, particularly for monitoring, education and training, based upon common governance and existing initiatives in each country.

OBJECTIVES/PRODUCTS

The aim is to commonly develop and implement an operational function in the energy domain by pooling existing assets and funds. The project is focused on three sub-subjects: An energy efficient deployable camp topic; an on-board battery in military platform topic; an energy operational planning (EOP) tool. A fourth sub-subject has been added in November 2023 and called "Repowering of the battlefield". Moreover, member states have expressed additional needs such as grids (micro, nano...) or power generators that will be discussed within this PESCO project. Additional topics have also attracted the interest of the member States such as Small Modular Reactor (SMR) and Sustainable Aviation Fuel (SAF).

INDICATORS

Project Execution Year (PEY) and Project Completion Year (PCY):

**DELIVERABLES ACHIEVED**

- High Level Requirements (HLR).

CRITERIA FOR SUCCESS

- The EOF project is based on technologies that are not yet mature enough to be used in a military framework. That is why the knowledge of ongoing projects and of technologies maturity is so important and will support the definition of future capabilities.
- The results of EDF projects (INDY and NOMAD) are also awaited. This will allow a better view of the needs and of the necessary achievements. Gradually, it will be possible to organize CAT B projects (EDA) or to propose R&D topics at EDF. INDY's first phase closed in January 2025. The second phase should begin in January 2026; the consortium being chosen in April 2025.



FR, BE, ES, IT, SI



EL, IE, NL, PT

IDEATION
INCUBATION
EXECUTION
CLOSINGContribution to
the more binding
commitments

Yes

Capability
PerspectiveEU CDP priority
Sustainable and
Agile LogisticsCARD references
N/AOperational
ViewpointHICG
N/A

EDA support

No



- The main achievement will be the definition of a clear and shared capability concept of an energy efficient and resilient camp by 2027, and the strengthening of the operational and technical roadmap for its deployment.