

## Development of high thrust, high performance FEEP Systems

<b>Customer:</b>	European Space Agency (ESA) and others
<b>Project partner:</b>	--
<b>FHWN/FOTEC core tasks:</b>	Development and test of high thrust, high performance Field Emission Electric Propulsion (FEEP). Development of manufacturing method for nanostructured thruster concepts.

Most electric propulsion systems are designed either for high thrust (i.e. mN range) or low thrust (nN to  $\mu$ N range). Deviation from this operational point is punished by a significant drop in efficiency. The current golden grail in the electric propulsion research is the development of an electric propulsion system which can cover the thrust range starting from nN up to several mN at constant high thrust efficiencies.

