






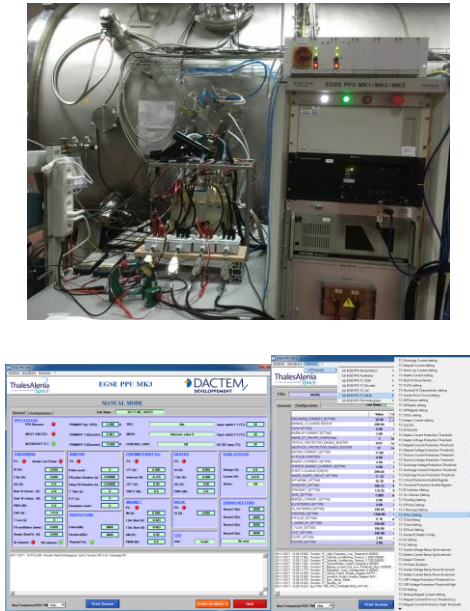



Space Electric Propulsion Test equipment

20 YEARS OF ACHIEVEMENTS



-  **SIMULATE COMPONENTS OF A THRUSTER ENGINE.**
-  **DYNAMIC & STATIC SIMULATORS.**
-  **THRUST MEASUREMENT**
-  **PLASMA PLUME MEASUREMENT**

THRUSTER DYNAMIC LOAD SIMULATOR	THRUST BALANCE SCALE	PPU SIMULATOR	PPU CONTROLLER EGSE	PLASMA PLUME CHARACTERIZATION TEST BENCH
Simulation of the behaviour of electrical propulsion thrusters	Thrust measurement	Simulation of the thruster power supply behaviour like a PPU	Simulation of PPU satellite interfaces. Automatic thruster sequences management for thruster Start-up tests	Plasma plume measurements
Used for PPU testing and for electric power system testing in satellite AIT phases	Used for thruster tuning and qualification	Used for thruster tuning and qualification	Used for PPU /Thruster coupled tests	Used for thruster tuning and qualification
				
<ul style="list-style-type: none"> Discharge circuit simulation up to 7 kW / 380 V with noise. Heater, Ignitor, keeper, Magnet, Thermo-throttle and valves interfaces simulation Ucrp up to 500 V Open and short circuit, insulation defaults simulation 	<ul style="list-style-type: none"> Dynamic and precise measurement of thrust Measuring range from 40 to 350 mN Accuracy and repeatability: 1% measured value 	<ul style="list-style-type: none"> Anode power supply up to 10 kW/ 500 V Magnet, heater, pulse ignitor, keeper, valve and thermo-throttle power supplies simulation 	<ul style="list-style-type: none"> PPU power supply with LISN up to 10 kW PPU direct and 1553 TM/TC interfaces management PPU telemetries monitoring and storage Automatic thruster start-up sequence management 	<ul style="list-style-type: none"> Drives and acquires measurements of RPA and Faraday probes.