

Embedded Software and Firmware

Date:	16/06/2016
Technology:	Software and firmware for embedded platforms
TRL:	Have been designed elements that are presently at TRL-7/8
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Original Application:	Automotive industry and Ground-based and Spaceborne instruments
Projects:	Ficosa, Miradas and Solar Orbiter Polarimetric and Helioseismic Imager
Key points:	<ul style="list-style-type: none">- High reliability software and firmware for embedded platforms- Based on Industrial and Space standards- Highly optimized implementations of image and data digital processing algorithms- Digital control systems
Potential Space Science Applications:	<ul style="list-style-type: none">- On-board instrumentation data processing and management- On-board hk data processing and management- On-board control and management of instruments and platform
Potential Applications:	Nano-satellites, ground –based and spaceborne instruments