



# OPTIMIZING PERFORMANCE IN CRITICAL EMBEDDED SYSTEMS

Efficient system in critical environments (multicore and frequency)

## **Technological benefits**

#### **Multicore management**

Adaptation of processor frequency to the immediate need for a lower energy consumption.

Optimization of multicore management in critical environment.

Innovative abd dynamic allocation of process between cores.

#### Standards respect

Time and space partitioning (TSP, ARINC653)

#### **Invention overview**

Optimization of multicore planning and managing in a critical environment, allowing better process distributions in time to lower energy consumption.

#### Potential applications

Critical environments (airplane, drone, etc.)

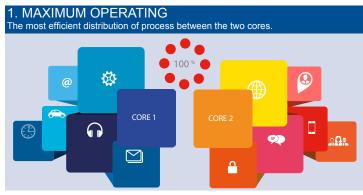
**Network routers** 

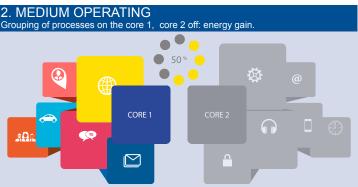
### **Commercial benefits**

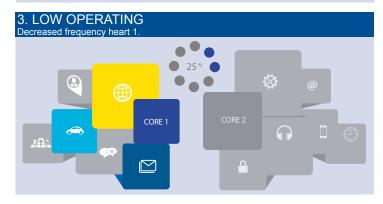
Evolution of existing single core systems to multicore. Optimization of process in critical environment.

#### **Productivity**

Time savings, reduced energy consumption.







TRL: 3
TSP - ARINC653
Invention available under license.