

# Marcé Fire Fighting Technology



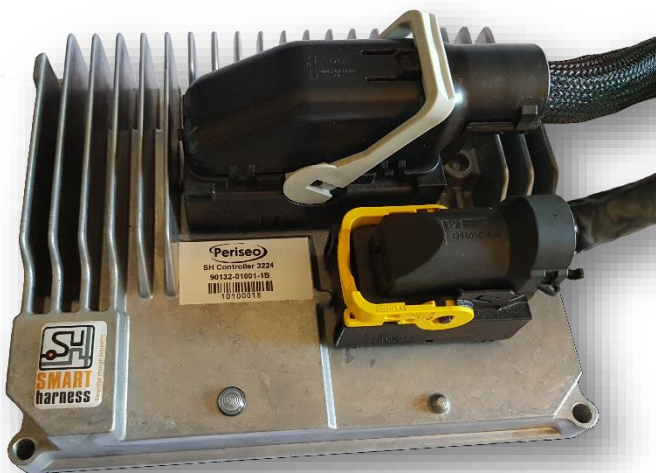
The company, Marcé Fire Fighting Technology, contracted Periseo to develop a Controller suitable to control various monitor (water turret) models developed by them. These monitors are used in a range of fire fighting vehicles like the Rhino 6x6 ARFF and various smaller vehicles.

## Description

The Marcé Monitor Controller (MMC) is a build variant of an Electronic Controller Unit (ECU) that is part of Periseo's well established SmartHarness™ family of automotive ECU products. The ECU was enhanced to interface to additional input measuring devices such as 4-20mA sensors and RS422 Rotary Encoders. Additional Built in Test (BIT) functionality and enhancements to the four 10A H-Bridge Motor drivers were also implemented.

The MMC is able to respond to a range of stimuli and instructions via multiple input channels and a CAN-bus communication channel. These include sensors and user inputs via a joystick, a touch screen and switches. The actions performed via the output channels allows the Controller to perform the functions according to the user requirements. The MMC was designed to function in harsh environments like that present in fire trucks, military and mining vehicles or any other industrial and automotive applications.

## Marcé Monitor Controller (MMC)



Some touch screen images

<b>Error States:</b> CAN1 CAN2 Config Zero Position Water Pressure Air Pressure Out of Limits Limits not Set	Battery Voltage:	24.0 V	<b>Connected</b> <b>Set Zero</b>
	Highside Voltage:	24.0 V	
	3V3 Voltage:	3.2 V	Device Serial: 10100005 Device Key: 2 Device HW Version: 0.01 Device OCP Version: 1.01 Device UDF Version: 1.09
	5V Voltage:	4.8 V	Software Version: 1.0.0.54
	Temperature:	25.0 °C	<b>Return</b>

Connected			Info	Settings	
50%		FLOW			
			PARK	ATTACK	

Connected			Info	Settings	