AGABUNA

IRRIGATION SYSTEMS

Pordenone, 8 novembre 2023

POLO TECNOLOGICO PORDENONE Andrea Galvani

POR FESR 2014 2020 Friuli Venezia Giulia

PROGETTO COFINANZIATO CON IL FONDO EUROPEO DI SVILUPPO REGIONALE DEL PROGRAMMA OPERATIVO REGIONALE DEL FRIULI VENEZIA GIULIA.
POR FESR 2014-2020
OPPORTUNITÀ PER UNA CRESCITA SOSTENIBILE

UNIONE EUROPEA

REGIONE AUTONOMA FRIULI VENEZIA GIULIA

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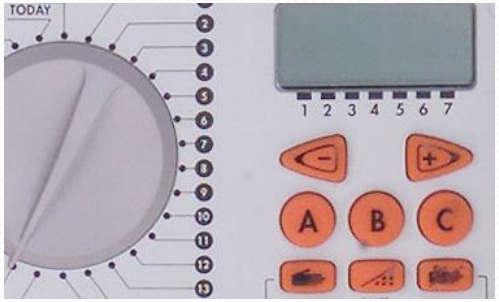
Agabuna was born in 2018 as a spin-off of the professional division of a leading company with over 40 years of experience in the agricultural irrigation industry.



2018

UE Grant KATANA.

Project “Irrigation Systems IoT – LoRa”

Selected as one of the top 10 projects in Agriculture and Food Industry out of over 700 candidate projects across Europe.

Award: non-repayable financing of over € 100,000

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2018
Award D2T Adventure X – Project Manifattura Rovereto.
Project “Irrigation Control BT”
Award: 15.000 €

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2019

UE Fundings POR FESR 2014 2020.

Project “Innovative Solutions for Precision Farming”.

Total Project: 182.000 €

Total non-repayable financing: 100.000 €

POR FESR 2014 2020
Friuli Venezia Giulia

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2021
Funding DIVA - INTERREG.
Project “Irrigation SuperVision”.
Total Project: 45.000 €
Total non-repayable financing: 45.000 €

Interreg
ITALIA-SLOVENIJA
UNIONE EUROPEA
EVROPSKA UNIJA
Fondo europeo di sviluppo regionale
Evropski sklad za regionalni razvoj

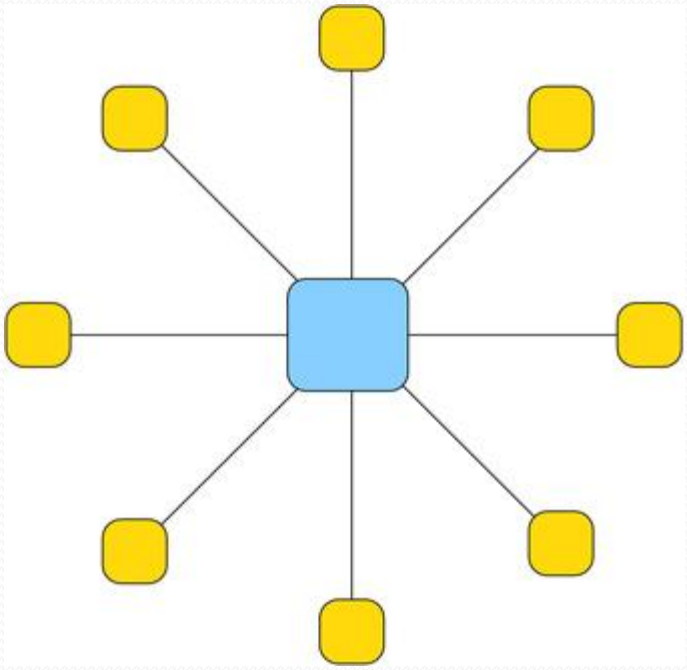
CENTRALIZED IRRIGATION AND ENVIRONMENTAL CONTROL SYSTEMS

- Multicable Systems
- Monocable Decoder Systems
- Wireless Systems (LoRaWan)

CENTRALIZED IRRIGATION AND ENVIRONMENTAL CONTROL SYSTEMS

MULTICABLE SYSTEMS

- Star configuration
- Suitable for small/medium applications



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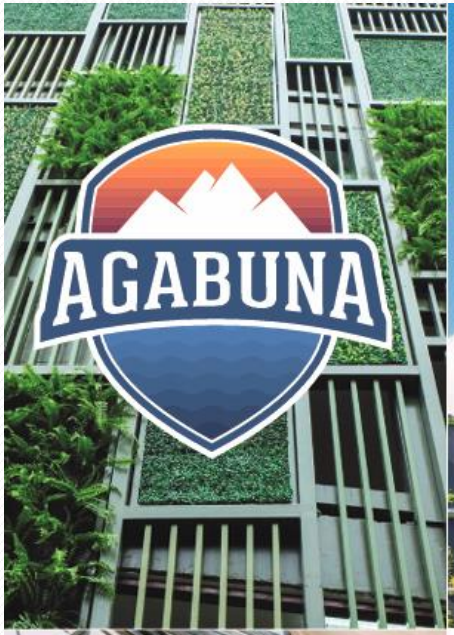
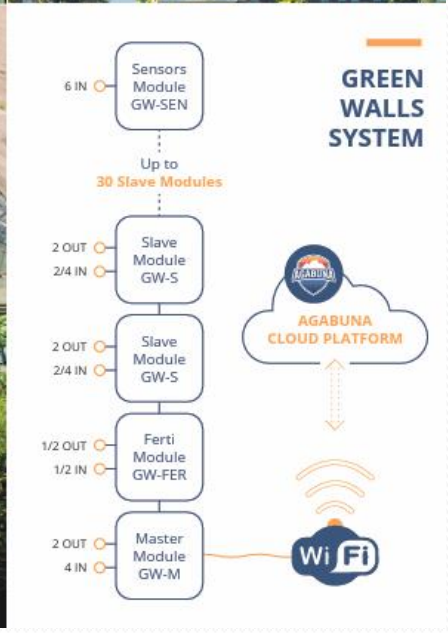
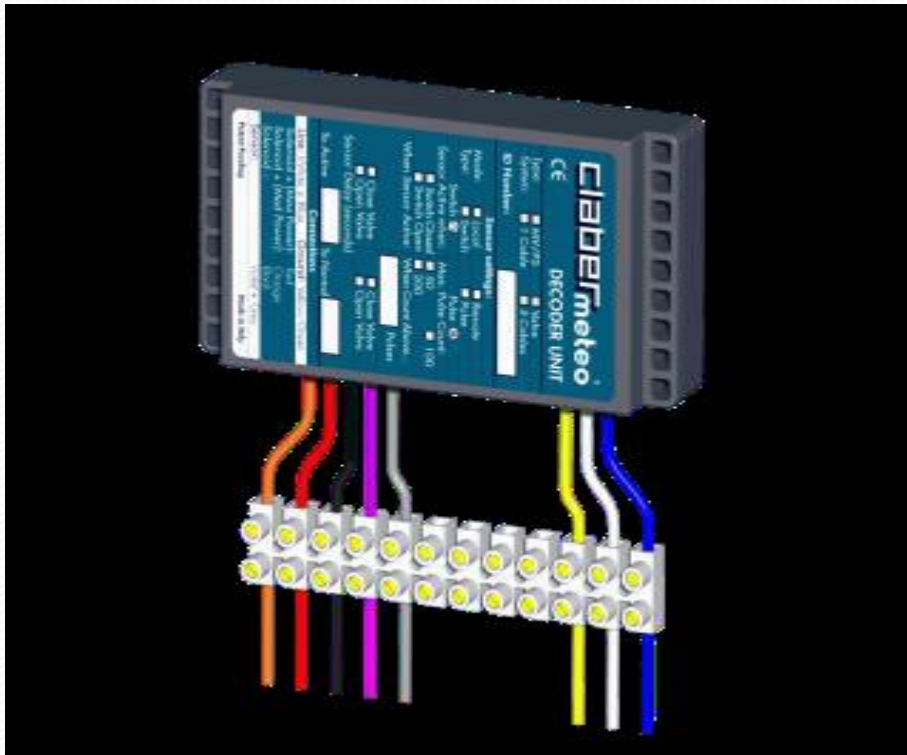




CENTRALIZED IRRIGATION AND ENVIRONMENTAL CONTROL SYSTEMS

MONOCABLE DECODER SYSTEMS

- One single Cable
- Suitable for large commercial and agricultural applications



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CENTRALIZED IRRIGATION AND ENVIRONMENTAL CONTROL SYSTEMS

WIRELESS RADIO SYSTEMS

- No trenches required
- Based on Licence free Radio communication (LoRaWan) Long Range coverage (up to 10 km)
- Suitable for large applications

MAIN ADVANTAGES OF OUR SYSTEMS

- Remote Programming
- Alarms on your phone
- Monitoring the plant functioning and consumptions
- Monitoring environmental sensors and weather stations
- Possibility to interconnect with external data (i.e. Weather forecasts)
- Graphs and reports of activities, consumptions, historical data.

Example of a large application architecture

LoRa RF®

SUPPORTO DSS/METEO/ AGRONOMICO

CLOUD

GESTORE IRRIGAZIONE

Ethernet/WiFi/Modem

LoRa

LoRa

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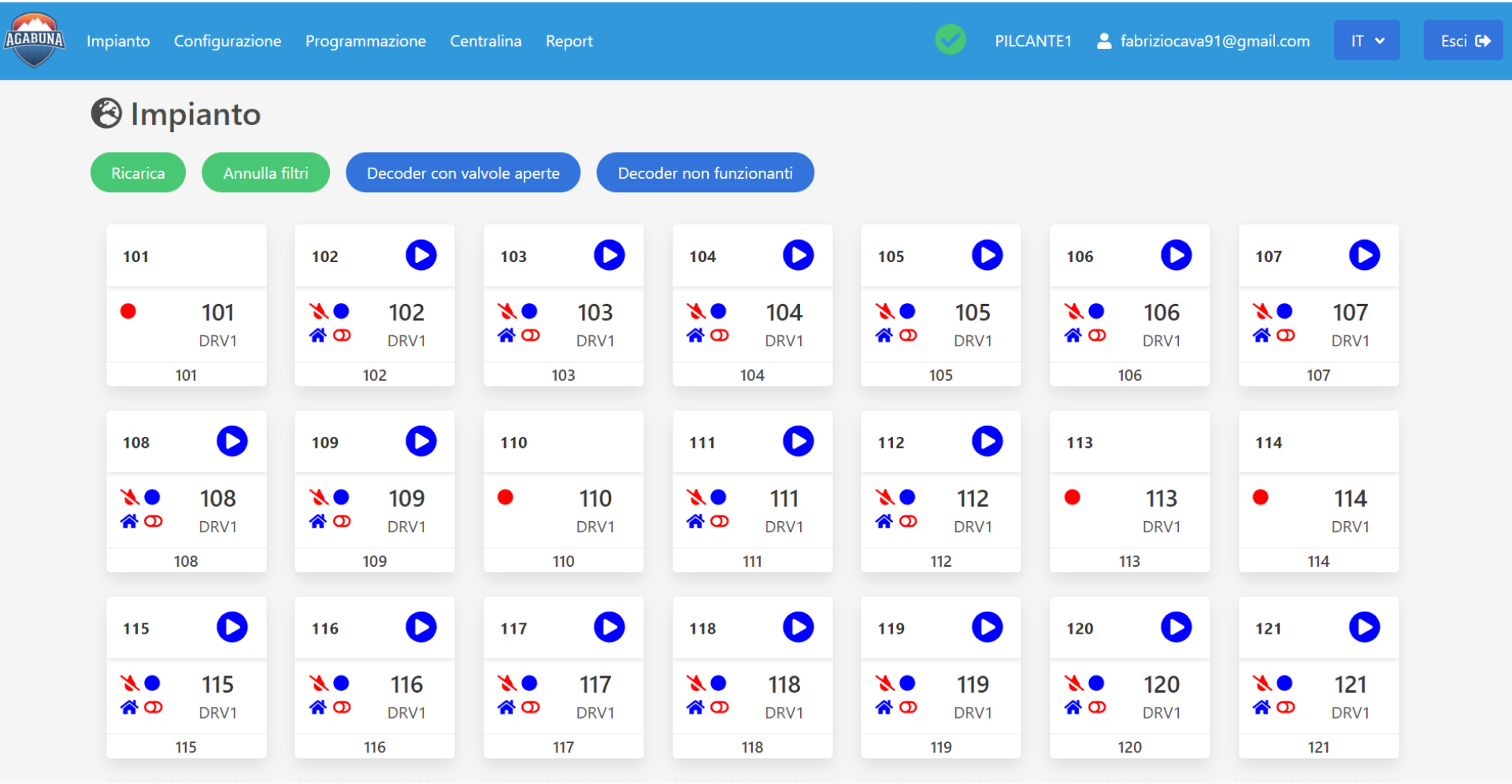
CLOUD PLATFORM (Decoder System)



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CLOUD PLATFORM (Green Wall System)

Gen.

Installatore Agabuna Impianti

Cliente Valvasone Serra

Ultima comunicazione: 2022-09-27 06:42:32

Ingressi

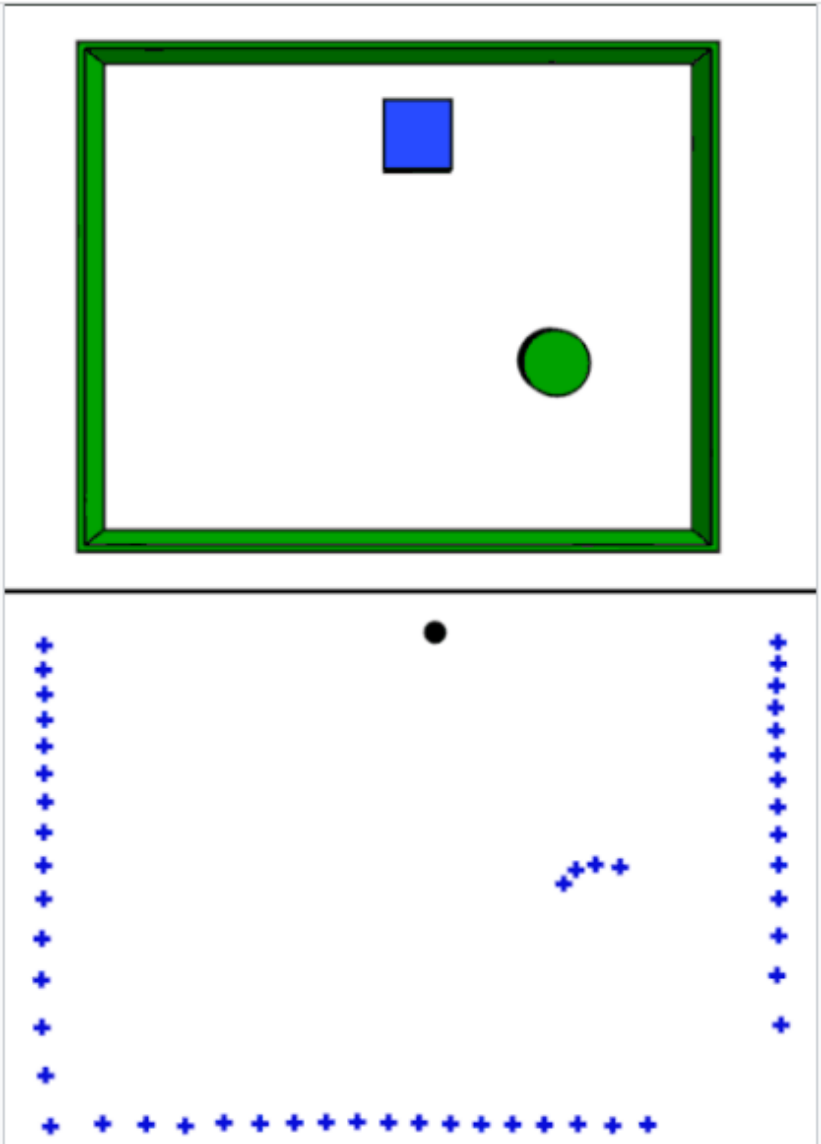
N.	Nome	Tipo	Valore	Stato	Azioni
3	Flussometro	Portata	0.00 l/min	OK	CONFIGURA GRAFICO
4	Sens Hum Reka serra 3	Analogico	46.66 %	OK	CONFIGURA GRAFICO
6	Sens hum Reka serra 2	Analogico	45.48 %	OK	CONFIGURA GRAFICO
					AGGIUNGI

N.	Nome	Tipo	Stato	Media	Azioni
1	Serra 1	Normale	OFF		CONFIGURA AVVIA STOP
2	Serra 2	Normale	OFF		CONFIGURA AVVIA STOP
3	Serra 3	Normale	OFF		CONFIGURA AVVIA STOP
4	Serra 4	Normale	OFF		CONFIGURA AVVIA STOP
5	Serra 5	Normale	OFF		CONFIGURA AVVIA STOP
					AGGIUNGI

PRESENT PROJECTS

Self-propelled electric robot guided by GPS and Lidar Technology.
Implements to be mounted:
- Sprayers
- Weed control rakes
- Cameras for pest control (recognition by means of AI)
- Environmental sensors

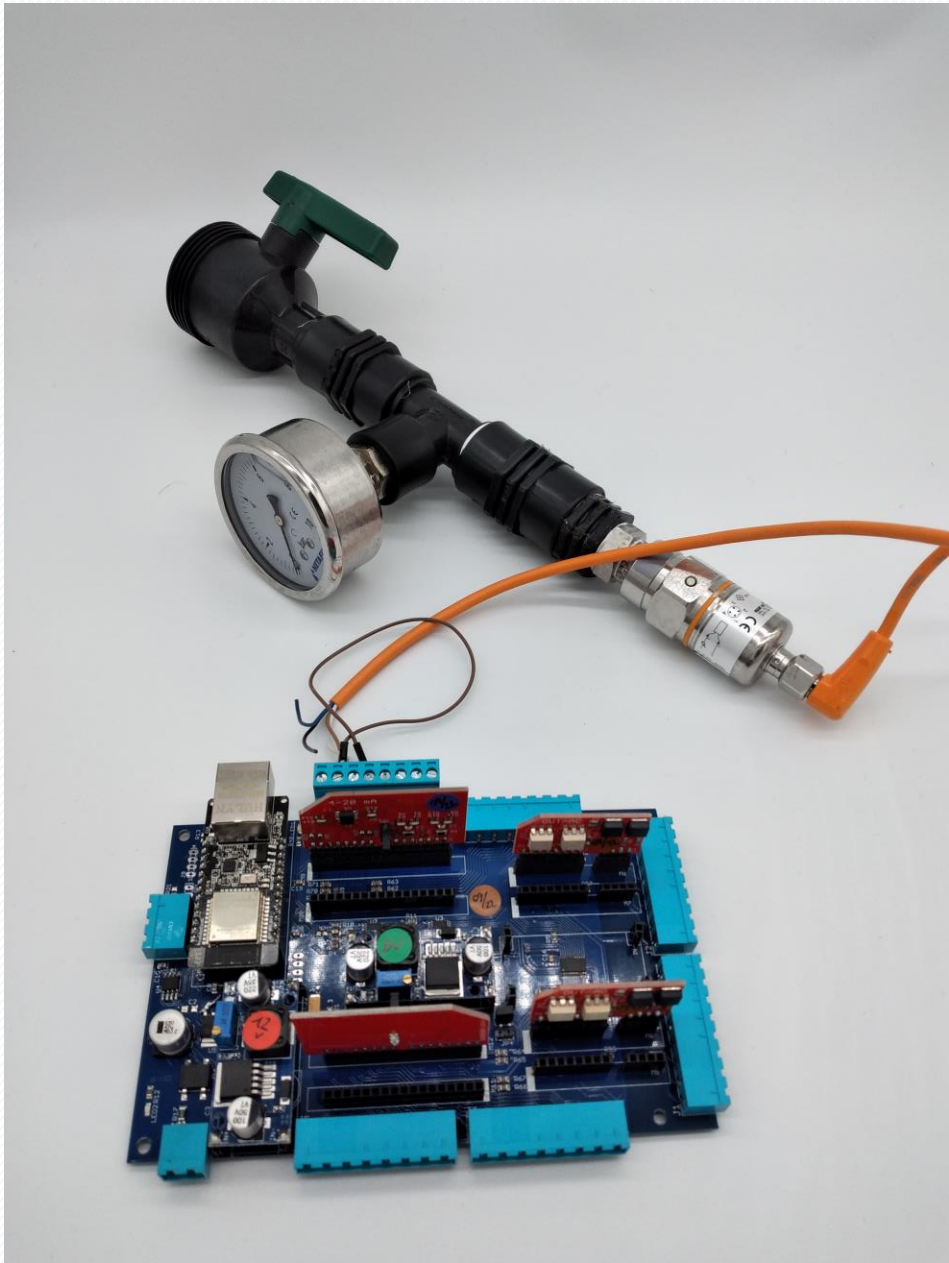
LIDAR CONTROL



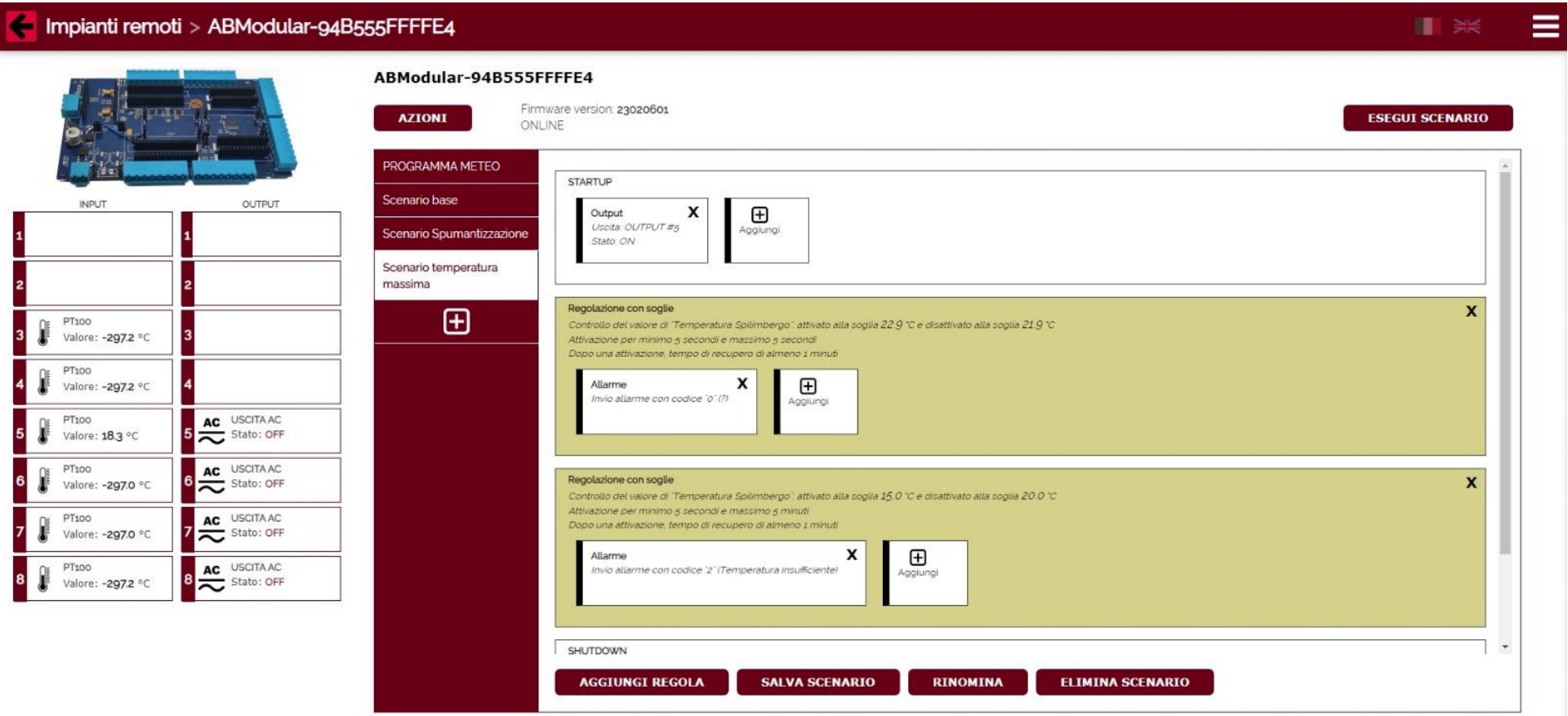
PRESENT PROJECTS

AB-Modular Multi-functional control board.
GSM and/or Ethernet communication.
Able to:

- control DC and/or AC outputs
- read all types of industrial sensors (Voltage, Current, PT100)
- Remote control and programming thru dedicated Cloud platform



PRESENT PROJECTS
AB Modular Cloud Platform



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THANK YOU FOR YOUR ATTENTION.