

Pordenone, 8 novembre 2023





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









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





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





2019 UE Fundings POR FESR 2014 2020. Project "Innovative Solutions for Precision Farming". Total Project: 182.000 € Total non-repayable financing: 100.000 €



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OPPORTUNITÀ PER UNA CRESCITA SOSTENIBILE









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







CENTRALIZED IRRIGATION AND ENVIRONMENTAL CONTROL SYSTEMS

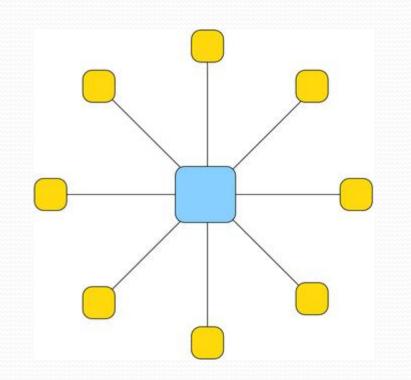
- Multicable Systems
- Monocable Decoder Systems
- Wireless Systems (LoRaWan)



CENTRALIZED IRRIGATION AND ENVIRONMENTAL CONTROL SYSTEMS

MULTICABLE SYSTEMS

- Star configuration
- Suitable for small/medium applications





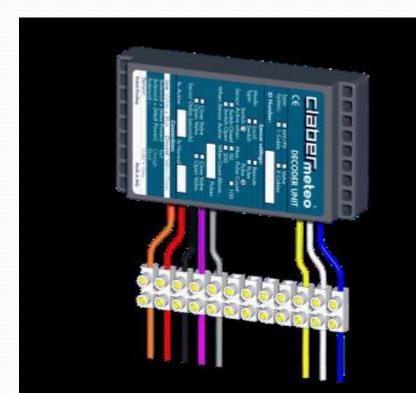


IRRIGATION

CENTRALIZED IRRIGATION AND ENVIRONMENTAL CONTROL SYSTEMS

MONOCABLE DECODER SYSTEMS

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





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IRRIGATION SYSTEMS



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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

SYSTEMS

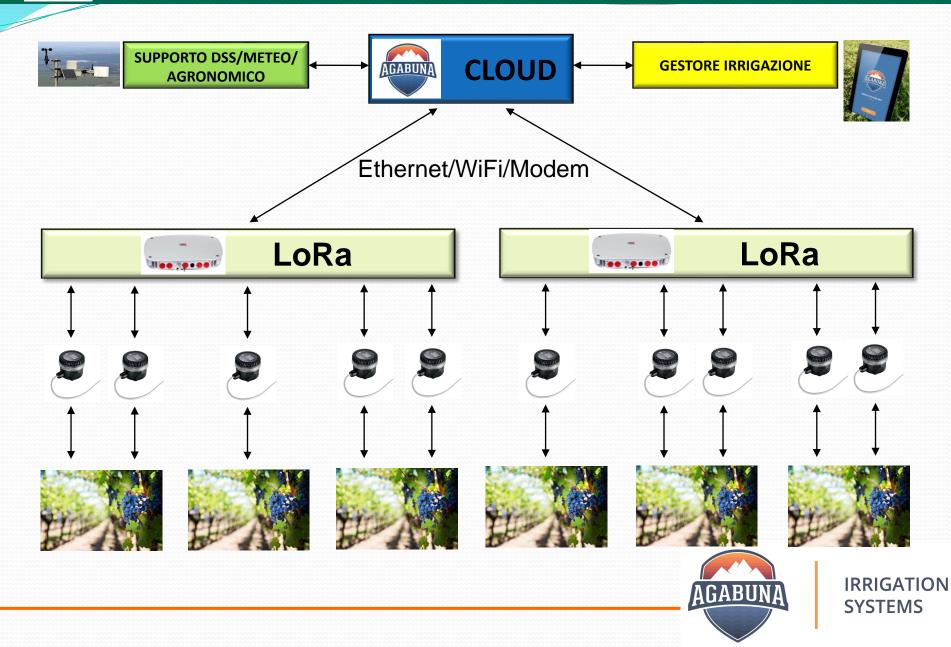
- Monitoring environmental sensors and weather stations
- Possibility to interconnect with external data
- (i.e. Weather forecasts)
- Graphs and reports of activities, consumptions, historical data.





Example of a large application architecture







CLOUD PLATFORM (Decoder System)

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CLOUD PLATFORM (Green Wall System)

Installatore Agabuna Impianti	~
Cliente Valvasone Serra	•

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

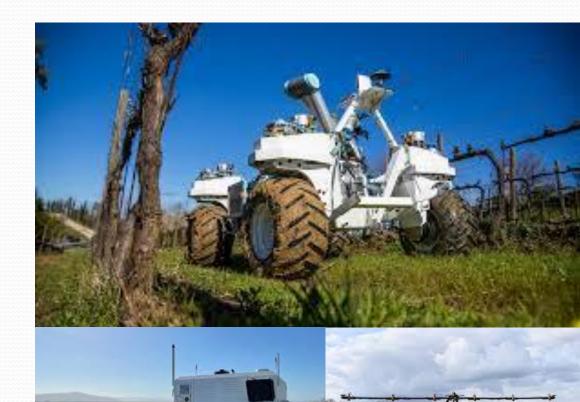
N.	Nome	Тіро	Stato	Media	Azioni
1	Serra 1	Normale	● OFF		CONFIGURA AVVIA STOP
2	Serra 2	Normale	• OFF		CONFIGURA AVVIA STOP
3	Serra 3	Normale	• OFF		CONFIGURA AVVIA STOP
4	Serra 4	Normale	• OFF		CONFIGURA AVVIA STOP
5	Serra 5	Normale	• OFF		CONFIGURA AVVIA STOP
					AGGIUNGI



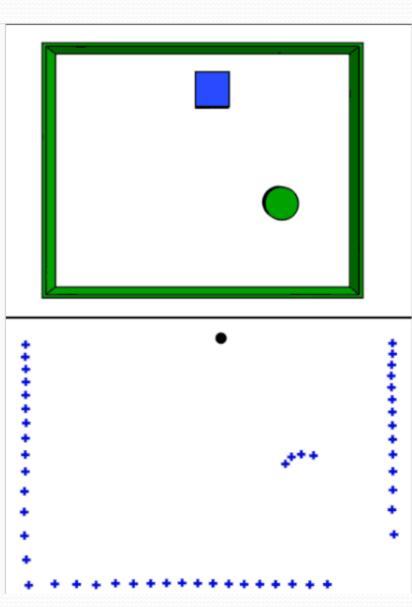
PRESENT PROJECTS

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

🗲 Impianti remoti > ABModular-94E	555FFFFE4	N NK
	ABModular-94B555FFFFE4 AZIONI Firmware version: 23020601 ONLINE PROGRAMMA METEO	ESEGUI SCENARIO
INPUT OUTPUT	Scenario base Output X Scenario Spumantizzazione Vecita: OUTPUT #5 Aggiungi Scenario temperatura Scenario temperatura Aggiungi	
2 2 3	massima Regolazione con soglie Controllo del valore di Temperatura Splimbergo" attivato alla soglia 22.9 °C e disattivato alla soglia 21.9 °C Attivazione per minimo g secondi Dopo una attivazione, tempo di recupero di almeno 1 minuti Invio allarme con codice '0' (?) Aggiungi	x
PT100 Valore: -297.0 °C PC AC USCITA AC PT100 Valore: -297.0 °C 6 C Statu: OFF 7 PT100 Valore: -297.0 °C 7 AC USCITA AC 8 PT100 Valore: -297.2 °C 8 AC USCITA AC	Regolazione con soglie Controllo del valore di "Temperatura Splimbergo" attivato alla soglia 15,0 °C e disattivato alla soglia 20,0 °C Attivazione per minimo 5 secondi e massimo 5 minuti Dopo una attivazione, tempo di recupero di almeno 1 minuti Altarme Imvio allarme con codice '2' (Temperatura insufficiente) X Aggiungi	x
	SHUTDOWN AGGIUNGI REGOLA SALVA SCENARIO RINOMINA ELIMINA SCENAR	NO



THANK YOU FOR YOUR ATTENTION.

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