



## EMPOWERING INDOOR FARMING

With integrated, intuitive and intelligent solutions to achieve maximum efficiency, quality and profitability.

CoolFarm brings a disruptive technology that helps to solve this problem. No matter if we are talking about greenhouses or warehouses, crop production is optimized, resulting in more efficient management of human resources, maximum water, nutrients, acid, and energy savings. The technology combines artificial intelligence and machine learning, aiming at growing crops in the most efficient way, giving to them what they need and when they need it. All data is managed in the cloud and can be assessed online or offline, through mobile phones, tablets or laptops.

CoolFarm came up in this new context where our dominant food paradigm is breaking down: climate change, increasing droughts, soil depletion and disease, excess fertilization, phosphorus scarcity, water pollution, chemical overloads, pollinator destruction, and biodiversity loss, threaten our business-as-usual approach to food production. Consumers and retailers are increasingly demanding safer, high-quality foods with less unpaid burden on our shared environment and public health. It's forecasted that by 2050 we will need to feed more than 10 billion people, requiring a 70% increase in global food production.

## COOLFARM SOLUTIONS

### CoolFarm Eye

The Eye is a smart optical sensor based on NDVI technology and computer vision, providing to growers the following parameters:

- Leaf area index
- NDVI
- Growth rate
- Plant health

It comes equipped with an anti-fog fisheye lens, allowing it to be installed in vertical farming warehouses or normal greenhouses.





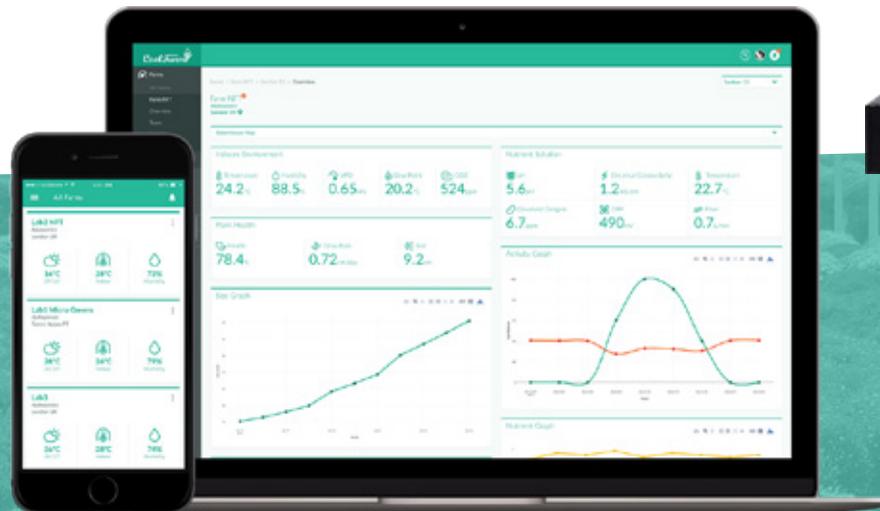
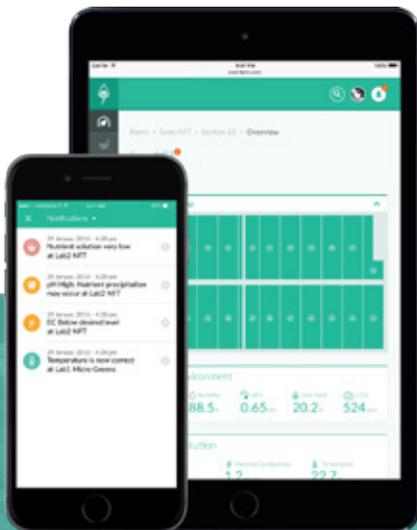
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## COOLFARM IN/CLOUD

in/coud is made for growers that want to keep their current control systems but also want to manage their farms at once, anywhere and anytime, integrating all relevant data in a unique and easy to use dashboard. The software features are:

- Recipes module to control any relevant variable such as the light cycle, water cycle, nutrients tanks, air specifications and water conditions;
- Integrated data in real time;
- Notifications;
- Activity log;
- Complete administrative panel to create and manage all users and farms at once.



## COOLFARM IN/CONTROL

in/control is the all-in-one control system easily adapted to all indoor typologies and growing techniques. It's the most integrated, intuitive and intelligent control system available in the market. It includes all in/cloud features and you can connect any sensor you desire:

Air temperature, Humidity and CO<sub>2</sub>; CoolFarm Eye; pH; EC; DO; ORP; Ammonia; Nitrate; Nitrite; Water Flow; Level Sensor and Pressure Sensor.



## CONTACTS

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