

HAS & DEL was established in year 2013 with objective of providing customize solution and consultancy for agriculture sector. We are team of professional experts having grass root knowledge and ready to take challenges. HAS & DEL started its operation by providing global technology for local applications in the field of fertigation, climate control, Green house automation, water & nutrient management, hydroponics and soil less growing technology.



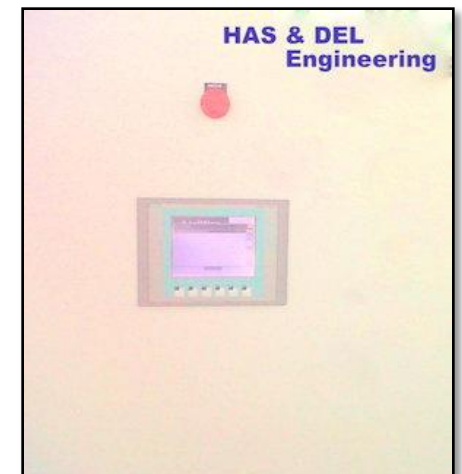
Our aim is to maximize yields and profitability for professional growers by providing innovative, efficient, durable and most importantly economical solution. Our controller's help growers to create best growing conditions as well as complete fertigation needs for any type of crops.

We also provide consultancy for customize green house projects. We strive to create fruitful partnership with entrepreneurs who wish to start professional cultivation with modernize techniques which give more yield and profitability helping them to grow their business. . HAS & DEL is committed to provide services to growers with customized solution.

Irrigation Equipments –

AgriWon Eco –

This is an economical controller for small farmers; farm house and low budget start up. Some of the professional growers, farmers, farm house have installed manual irrigation system by investing money in system for irrigation which is operated manually on daily basis. AgriWon-Eco is solution for small farmers, growers, farm house and low budget investor for automation without disturbing their existing manual system. The system gives benefits of precise and accurate automatic fertigation which avoid any delay, human errors, wastages etc. Start system as per your daily, weekly and forever schedule. This is low power and maintenance free designed with latest technology.



AgriWon HD –

This unit comes with the mixing tank for precise EC and pH control, the fertilizer and acid/alkali are precisely added into tank as per set EC and pH value. This has two fertilizer and one acid/alkali dosing with 8 irrigation valve output as standard. There is scope of expansion up to ten fertilizer dosing and up to 64 irrigation valve output and further expansion also possible with special consideration. The future expansion is simple, economical and without down time.

The system is designed with latest technology which has very low power consumption controller with low /high voltage and phase failure detection to protect components. The system is also available with remote DO station for complex poly house layouts.

AgriWon Inline –

Some growers want to switchover into automation without much change in their existing set up and AgriWon inline is the solution for the same. The system is designed for direct injection of fertilizers into irrigation line and therefore no need of major changes in existing system. HAS & DEL is first company who designed very precise and accurate inline dosing system with proportional feedback controlling using latest

technology which is fast and accurate. The proportional feedback controlling gives guarantee of very precise EC and pH control. The system has two fertilizers and one acid/alkali dosing control with 8 irrigation valve output as standard. There is scope of expansion up to ten fertilizers dosing and 64 irrigation valve output and further expansion also possible with special consideration. The future expansion is simple, economical and with minimum down time. Just add, activate from screen and system is ready to run. The system designed with latest technology for micro irrigation with very low power consumption controller having low /high voltage and phase detection to protect components.

The machines are designed after several studies of the market requirement and HAS & DEL is ready to give automation solution to every grower. The machine is designed with latest technology with touch screen with electrical safety. The machine is designed by considering future expansion requirement which saves lot of money. Now the same machine can expand with number of dosing as well as irrigation valves with less down time and an investment. HAS & DEL motorized valve design with feedback control gives very precise and fast dosing which definitely gives more productivity with per drop concept.

HAS & DEL is first who used remote DO devices with optical fiber communication in lieu of other standard methods to avoid signal loss, reduce cabling cost, fast communication, no attenuation, no interference etc. and is economical. Optical fiber communication is a best solution for any long distance irrigation coverage and gives very economical and fast solution for your demands. Now it's possible to control from long distance main controller and avoid all hard cabling from main controller. Even HAS & DEL is capable to give centralized control solution with data acquisition, analysis and also gives SCADA solution for centralized controlling and data analysis. You can control machine from any location of the world via your smart phone by adding our special communication device. It is possible to add automatic fogging, fan pad, shade net, lighting, roof top sprinklers, exhaust and circulation fan etc for climate control from the same machine.



HAS & DEL Controller –

HAS & DEL also give complete solution for individual controls for fogging, Fan/Pad, Shade Net, Lighting, Roof Top Sprinkler etc. The controller has facility to control multiple poly houses with single controller and you can also add controller as per your future requirements. The system is designed to communicate with your existing HAS & DEL system and control from the same panel. The system is designed for time as well as sensor control with activation and de-activation facility, so choose as per your requirement and not necessary to go for expensive controller again and again. There is facility to communicate and control separate controllers from single work place or centralized location by adding ours SCADA system. So it is possible to control and monitor all activities from single location in lieu of reaching to every point.

Fertigation controller

Open field controller for

Golf Course, Lawn, Farm house

etc.

Fogging Controller

Roof Top Sprinkler Controller

Fan/Pad Controller

Shade Net Controller

Fertilizer dosing unit with EC &

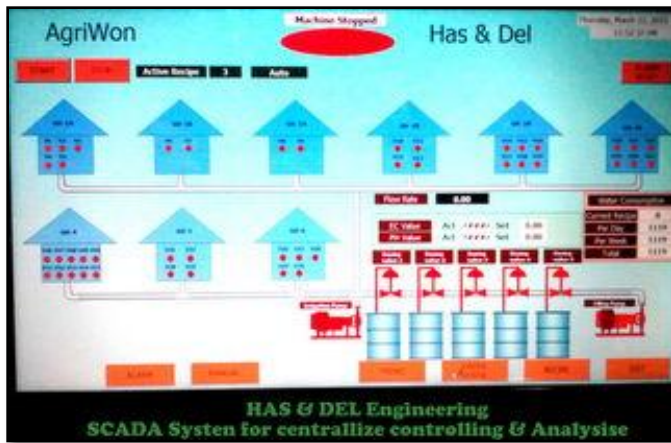
pH Control

Lighting Controller

HAS & DEL motorized valve is our own design with feedback concept for precise and fast control of fertilizer dosing. The set EC and pH value reaches with minimum time with precise control and has pre-rinse and post rinse concept to deliver selected fertilizers to respective crops. The latest technology is used to design the system with reputed and branded components by considering maintenance free operation.



Centralized Control and Analysis System with PC Interfacing



The SCADA system can control multiple units from single location which is used for data acquisition, report generation, graphical representation of data and single window over view of the operation.

HAS & DEL SERVICES

HAS & DEL also gives consultancy for Poly House construction, Soil Management, irrigation and drip line designing, supply of irrigation materials like valve, filters etc.

Green House / Poly House automation
Upgrading existing systems
Water and Nutrient Management
Climate Control
Customized green House project consultancy
Hydroponic Growing Technology
Soil less Growing Technology
Solenoid Valve for Irrigation etc.
Filter, pipes, irrigation materials etc.



Contact Us

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