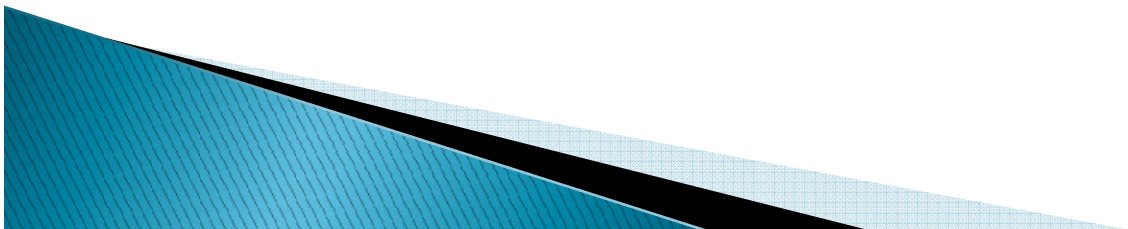




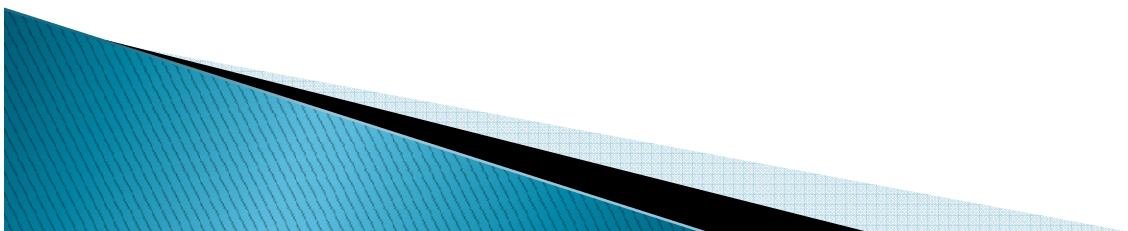
SET

Sreekara EnviroTech  
Private Limited  
Hyderabad, India.





- **Sreekara EnviroTech** Private Limited has been revived from **Environ Scientific Solutions** Private Limited.
- Multiproduct skilled and development organization.
- Our experts are having immense knowledge in this field more than **18** years and even got trained at **GLOBAL PIONEER CUM MANUFACTURER @ CANADA** on their complete range of products.
- List of few equipments given below for your reference -  
Arabidopsis, Tissue culture, Plant Growth, Germination chamber, Long term, Medium term and Short term seed storage chambers, Climatic chambers, Incubators, Environmental simulation products, Speed breeding, Drip irrigation, Leaf wetness, multi probe analysis, Complete customization & design of climatic chambers, clean rooms, Up gradation of your existing facility/chambers/green houses of any make Tissue culture kits, Light Canopy kits, Controller retrofits & PLC.













Bry-Air

FILTER ACCESS

MAIN SWITCH

CONTROLLER

RUE 8.2UN  
36

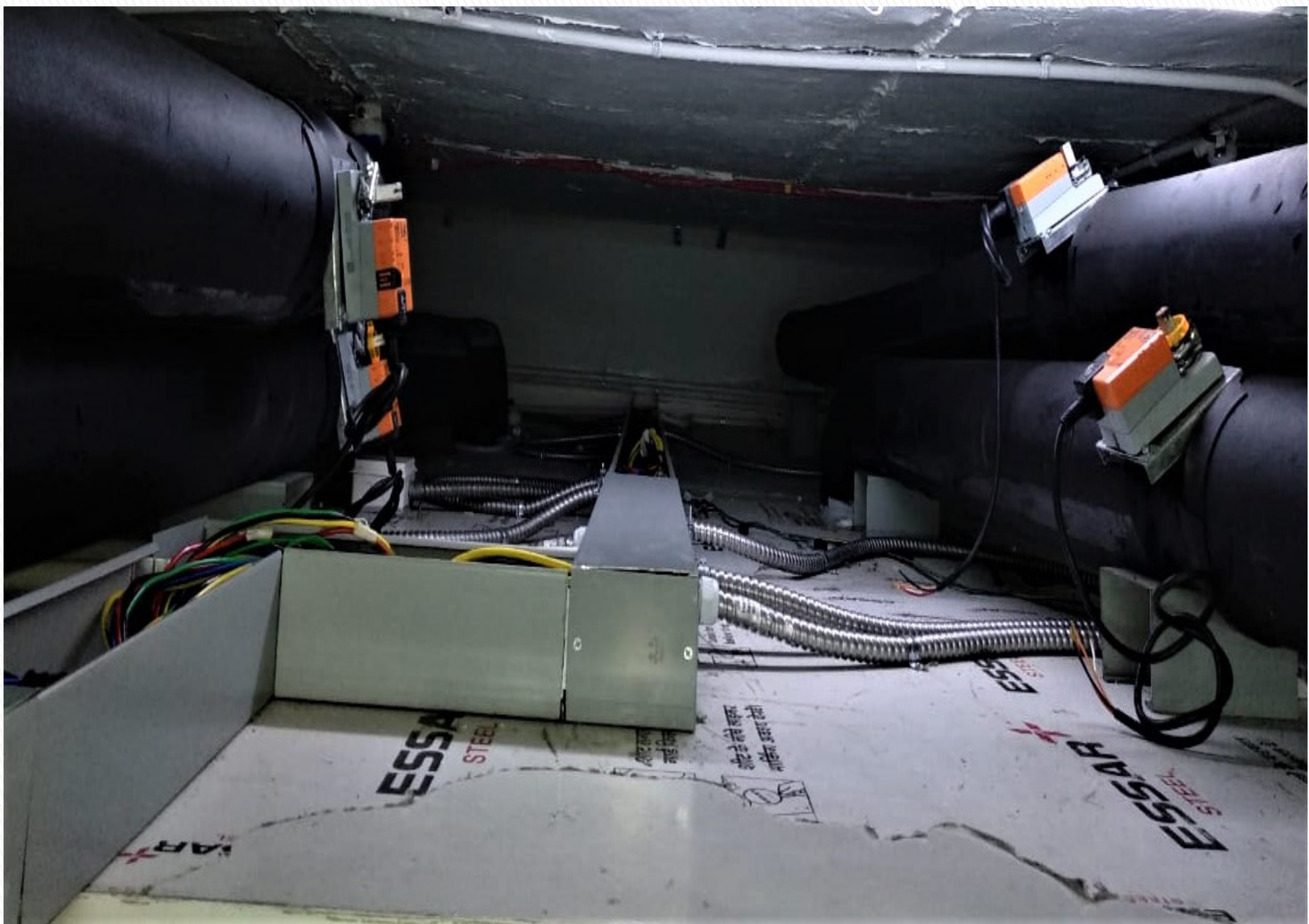
AIR CABLE ENTRY

SYSTEM FAULT

TEMP / SP TEST

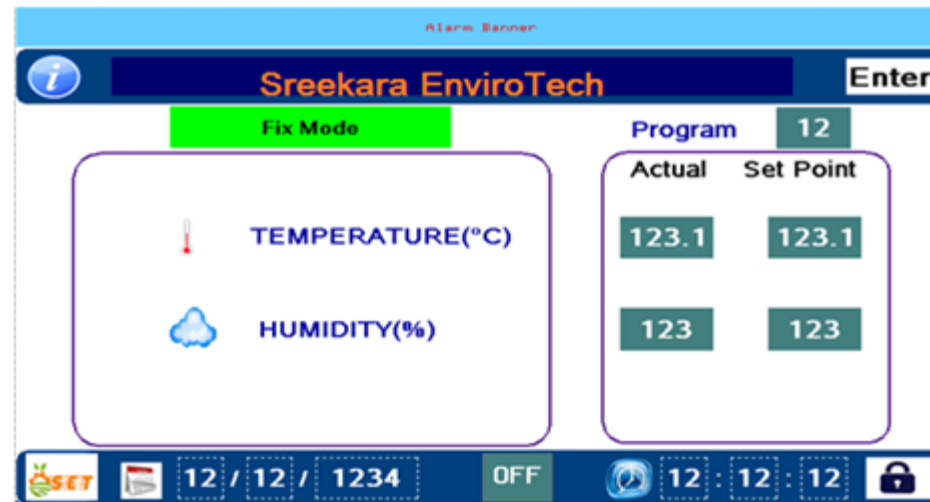
PROCESS IN







# Module Control Room



- Touch screen controller with Prologic PLC is used for control system with Programmable alarms and user defined alarms.
- Auto data storage with audible alarm system.
- All Major outputs like Compressor, Heater are designed with start up delay ensuring the long reliability of components.





## **Working Principle**

- Air circulation will be through the roof suspended conditioning unit
- Heaters will be provided for maintaining the Temperature with eliminated radiation effect on the process
- Desiccant driers/ Dehumidification coil is provided in the cooling coil unit for maintaining the lower humidity. Proportional dampers are provided to control the accuracy of Humidity setpoint.
- 100% Redundant system is provided for Control panel & Controller, Indoor & Outdoor Refrigeration system and Dehumidification system.
- Switching over between system can be programmed and will be automatic in case of any failures.



## **Security and Safety**

- Exterior mount panic alarm with Hooter is provided
- UPS power for PC & Chamber Controller with Viewable purpose illumination Light is provided
- Password protection will be provided
- Interlocks provided for heaters and compressors ensuring safety
- User definable Controls like High Temperature Limit and Low Temperature limit will be provided
- Complete profile test data log are recorded to USB in excel format for evaluation of the complete test



## **Refrigeration System**

- Refrigerant used will be CFC-Free R404A
- Compressor will be from Emerson/Tecumseh with a warranty of two Years
- High/Low Pressure switches with Crankcase regulating valve will be provided for Compressor safety
- Defrost System is auto programmed ensuring the safety of Compressor
- Hot Gas By pass valve system is provided ensuring the long reliability of Compressor
- Temperature control is precise up to  $\pm 0.5^{\circ}$  & Humidity up to 2%







## **Chamber Handling, Installation and Commissioning**

- Experienced equipment handling with proper stacking guidance will be facilitated and all the materials will be stacked for no damage.
- All functional components which are installed will be handled with utmost care and the project will be executed as per timeline committed in the offer.
- We will submit the list of Pre-requisites along with the order acknowledgement which are to kept ready by you prior to delivery of equipment.
- We will train your team for effective handling and usage of the Equipment after successfull demonstration.





# THANK YOU

