



CASE STUDY

INDUSTRY	Engineering/Agricultural
CLIENT	University Agricultural and Engineering Department
TYPE OF EQUIPMENT	10' x 10' Walk-In Room with 800-1200 CFM Conditioner
CONDITIONS REQUIRED	4°C at 20% RH
PURPOSE	Seed growing
CHALLENGES FACED	<ul style="list-style-type: none">• Below freezing dew point condition• Application requires a dryer in combination with a conditioner• Must run applications that require both a cold and dry environment

Parameter partnered with the engineering and agricultural departments of a prestigious university on a joint project involving growing seeds and running applications that require a cold, dry environment.

The university's applications required a dew point condition below freezing and an environment of 4°C at 20% relative humidity. To satisfy the very precise requirements of this project, Parameter provided and installed a 10' by 10' walk-in room and a dryer in combination with one of the company's 800-1200 CFM conditioners.

According to Parameter president Clay Hile, some key benefits of using this particular conditioner include:

- easy temperature and relative humidity calibrations,
- simple preventive maintenance,
- a dew point control system which uses much less energy than other stability control systems, and
- a PC-based monitoring system that monitors temperature, relative humidity, saturator, and mechanical outputs.

The 10' by 10' walk-in room was custom designed for the university's precise specifications and thoroughly tested prior to installation, as all Parameter rooms are.