

Solutions for Industry

Niagara College's Agriculture & Environmental Technologies Innovation Centre team specializes in working with private sector partners to develop innovative solutions to address today's technology challenges in the agriculture and horticulture sectors. The team recently provided key application programming expertise that will help farmers better access critical information about their soil, so they can optimize their harvest yields.

For example, we have been able to:

CREATE – WITH BETTER THAN

95%

ACCURACY – a calculation engine for **E3 SOLUTIONS INC.** that tracks hourly greenhouse gas emissions



CONDUCT GROWING TRIALS for greenhouse and cannabis products

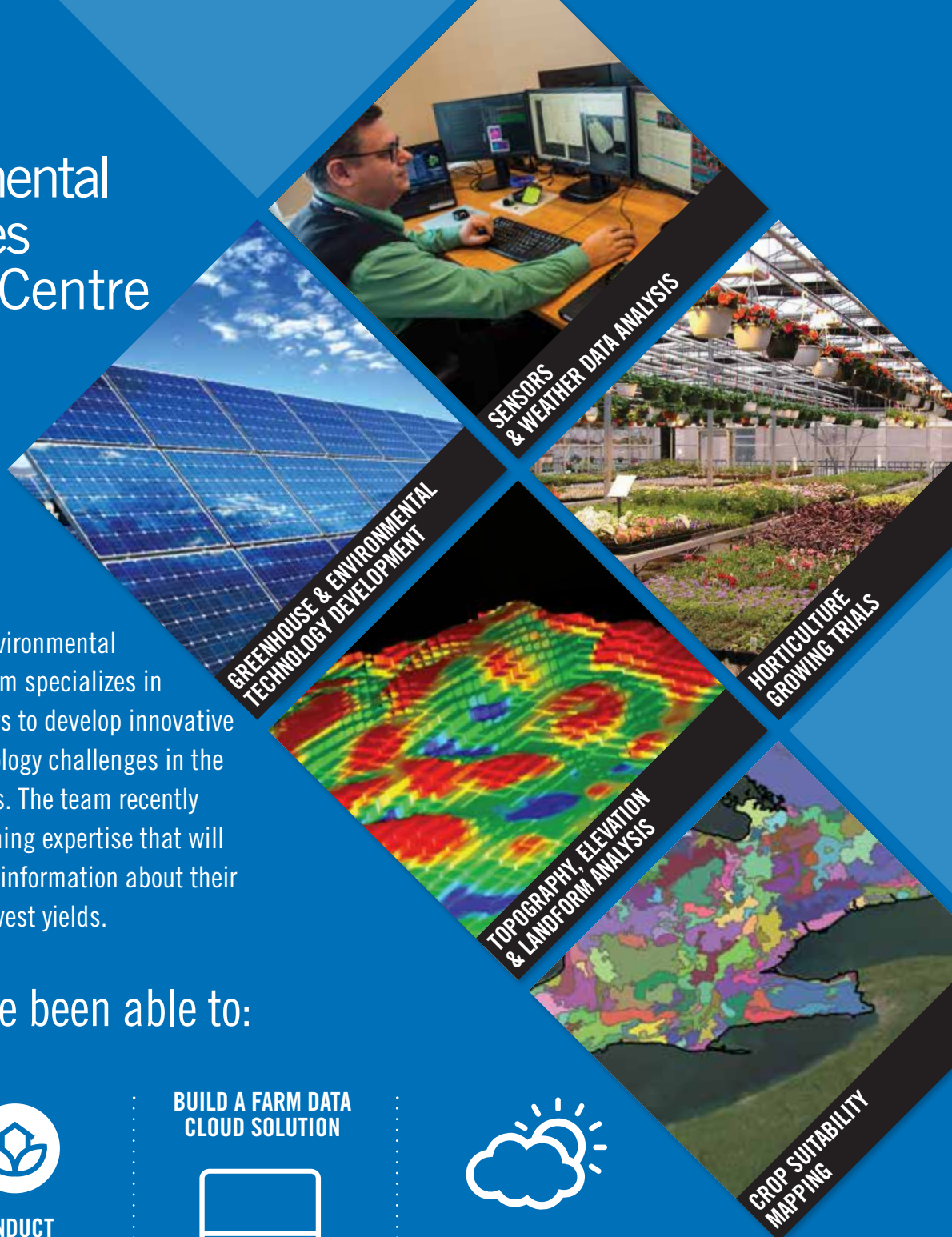
BUILD A FARM DATA CLOUD SOLUTION



for growers to analyze and manage data



ANALYZE historical weather data and create crop suitability maps



SENSORS & WEATHER DATA ANALYSIS

GREENHOUSE & ENVIRONMENTAL TECHNOLOGY DEVELOPMENT

HORTICULTURE GROWING TRIALS

TOPOGRAPHY, ELEVATION & LANDFORM ANALYSIS

CROP SUITABILITY MAPPING