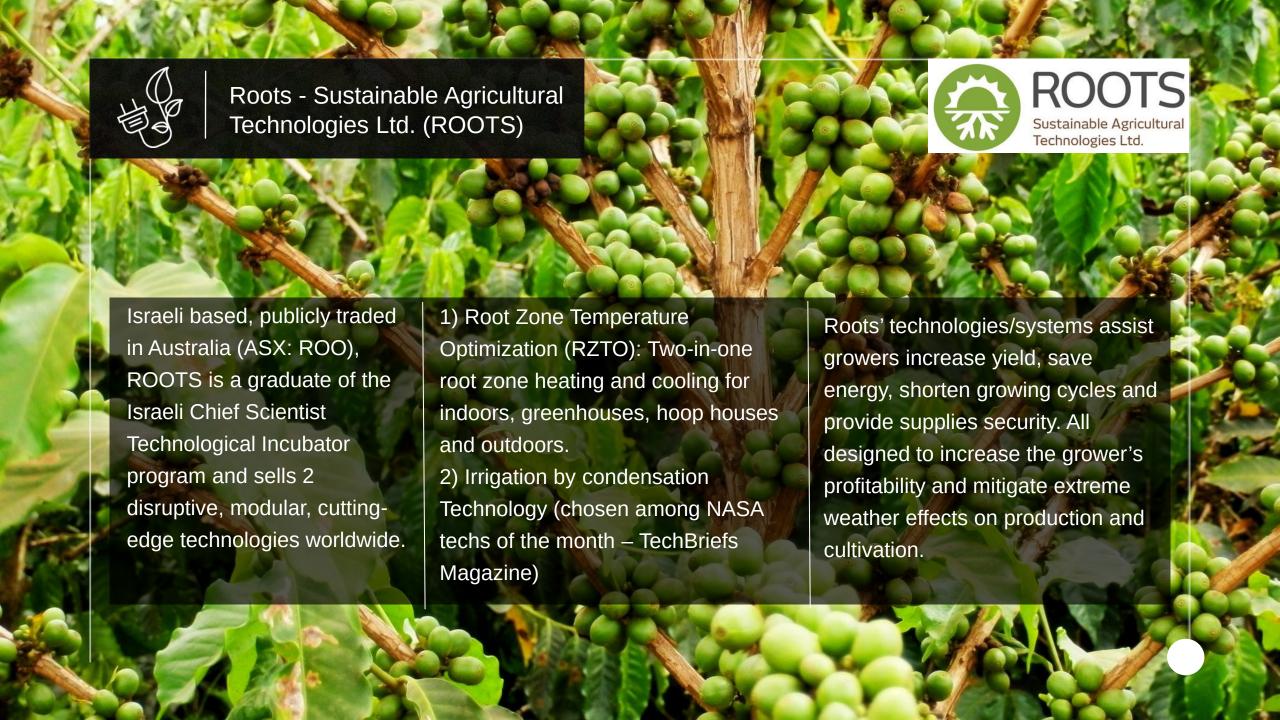


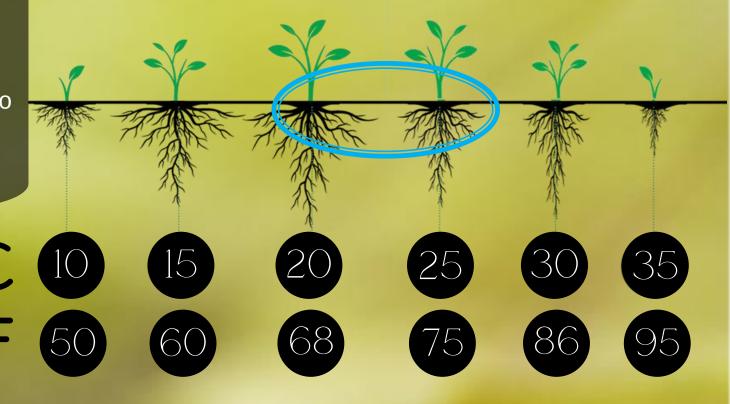
INNOVATING THE CLIMATE CONTROL LANDSCAPE

Root-Zone Temperature
Optimization Technology
Coffee Project in Dubai

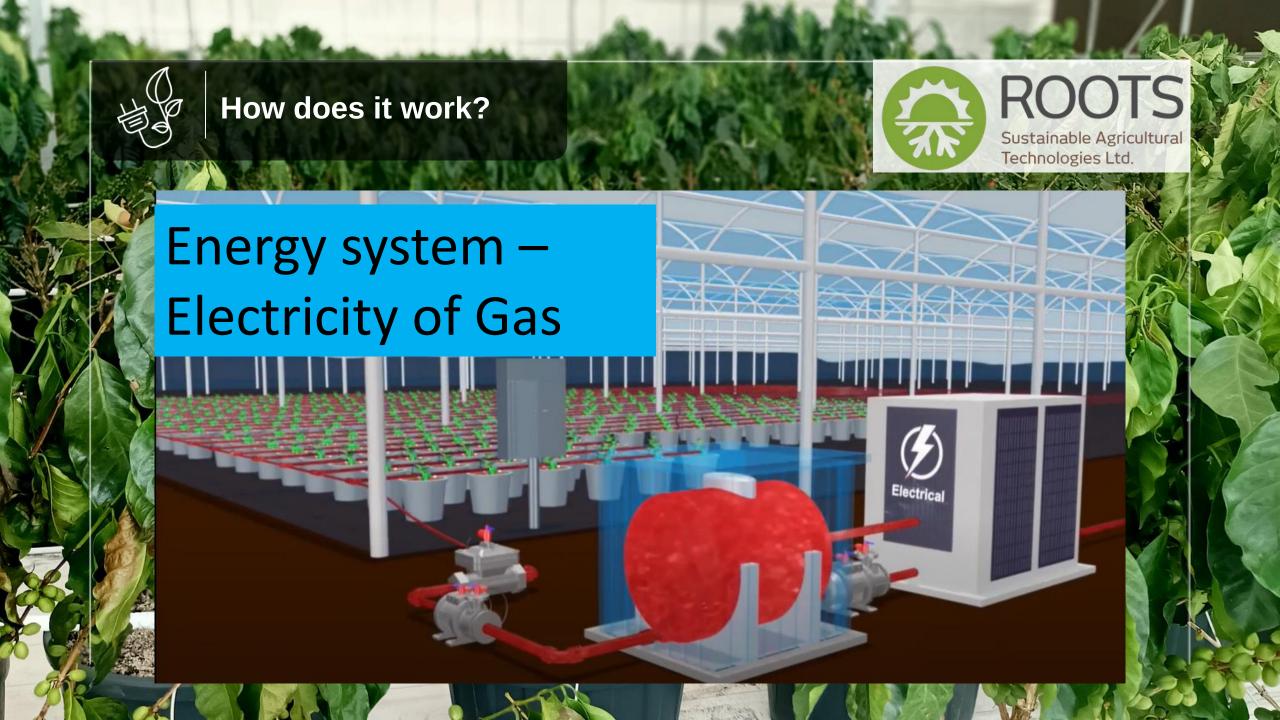




Root temperatures is the most influential factor in plant physiology for growth, productivity, and quality
An optimum temperature range is essential to productivity, health, and output quality









Chillers used for maintaining cooled and optimal root zone temperatures in very hot air temperatures









First week of growing post ROOTS installation







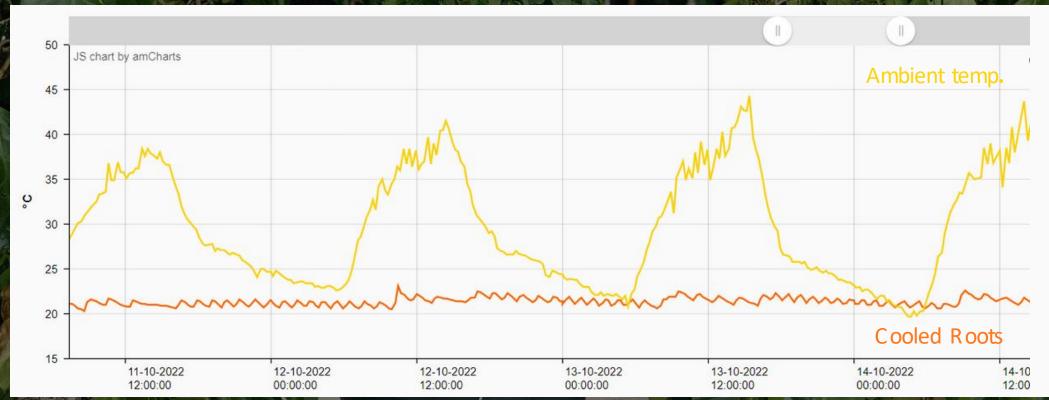




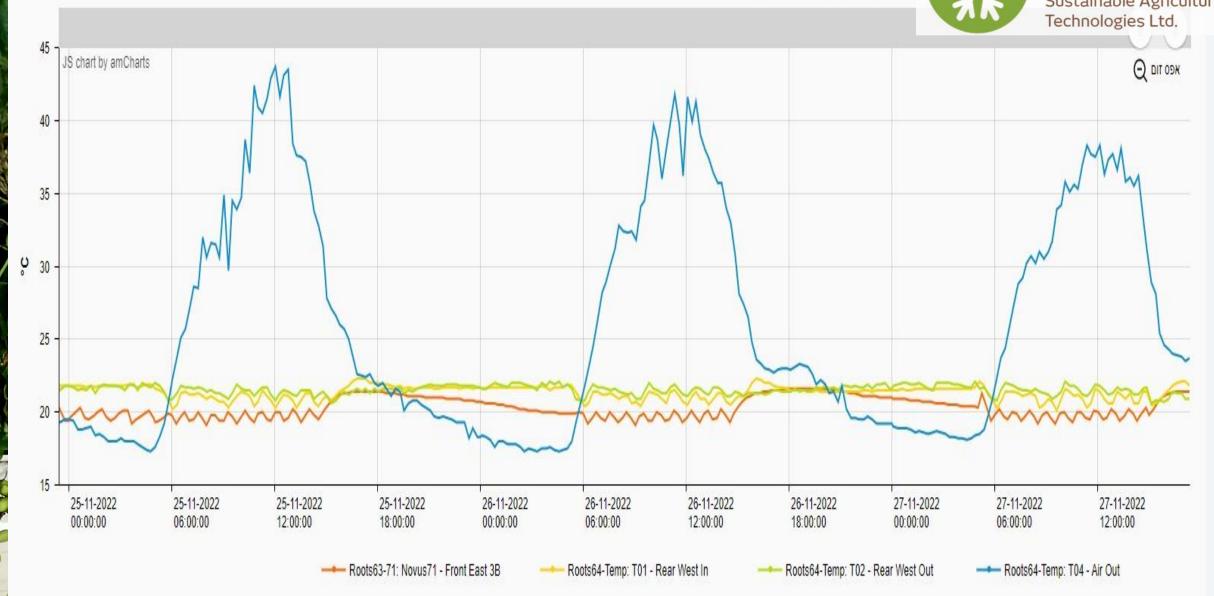
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Up to 22°C Differences between heated roots and air temp Roots temp regulated to steady 20-22°C







Maintaining Cooled and stable (20-24 DC) root zone temperature even under 49 DC air temp. in the green house







We offer a separate system to control the irrigation water temperatures (separately) or combined with liquid fertilizer supplied via the irrigation water

