



Storage Control Systems, Inc./Ltd. is a designer, manufacturer, and supplier of controlled environment rooms and technologies. Established in 1982, modifying temperature, RH, O₂ and CO₂ in controlled atmosphere fruit and vegetable storages has been the company's core mission. Combining decades of experience in facility design/build, machine & instrument manufacturing, secondary refrigeration technology, and custom energy management/control, they have proven to be a leader in the United States and United Kingdom. Their PSA Nitrogen Generators, Gas Analyzers and Controllers, and Carbon Dioxide Scrubbers can be found in continual use worldwide. Industry growths have led to their development of cannabis grow rooms that can mimic high elevation grows by altering oxygen content to simulate altitude.

A gastight room is essential for proper controlled atmosphere long term storage of fruits and vegetables, especially with the recent recommendations for ultra-low oxygen environments. Our patented SafePod™ is leading the way to the next generation of ultra-low oxygen or dynamic controlled atmospheres (DCA), using your own fruit to dictate the optimal regime for each room, each year. SCS also specializes in the manufacture of insulated refrigerator/freezer and gastight doors, where our factory in Sparta, MI uses patented profiles to manufacture custom sizes to order at short lead times.

SCS has a team of qualified staff providing turnkey building solutions, utilizing our Kilowatch™ control systems for energy management, and insulated metal panels with highly-specialized gastight sealing methods. Whether it be your next expansion, or if you are starting from scratch with flat ground, the SCS team is ready to meet your project's needs. We have full AutoCAD design services in-house which allow us to get the right floor plan and room sizes to fit your needs, and the catalog of solutions to make your facility the best it can be.

The last piece of precise temperature control is the secondary refrigeration used to cool our specialized facilities. The use of non-toxic and highly-efficient HTC Fluid as the exchange media reduces the amount of refrigerant needed to a fraction of other methods, allowing not only for easier maintenance and operations costs, but extremely tight temperature differentials, preserving the integrity of the product in storage.

FAMILIAR FACES FOR YOUR UPCOMING PROJECT



Jim Schaefer (BS, FSU) is the president and sole owner of Storage Control Systems, Inc. located in Sparta, Michigan and owner of Storage Control Systems, Ltd, in Paddock Wood, Kent UK. His father Caryl started SCS in 1982, and Jim began working there as senior in high school. After receiving his degree in computer information systems, he returned to the company and now has grown SCS to an international company with four offices and distributors around the world.

The future is here every day at Jim's companies. We keep pushing science and technology, and we thrive with an innovative and resourceful spirit.



Mike Laraway (BS, GVSU) has been a part of the design and innovation team for 20 years. As the architect of the Kilowatch™ control platform, he obsesses over precise control and energy reduction. Mike is constantly incorporating new technology. He is not satisfied with simply meeting the industry standard, and the energy efficiency dollars that his projects have been awarded reflect that. Going above-and-beyond is what separates him and his team of controls engineers from other controls companies.

Mike's areas of expertise include electrical controls design, refrigeration design and controls, system integrations, sensor design and technology, and project management.

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Controlled Environment Facility Design/Build & Project Management



Interior Facility Fit-Out with Secondary Refrigeration Piping & Gastight Room Doors



Gastight Sealed Insulated Metal Panel Storages with Secondary Refrigeration Heat Exchangers & Chillers

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