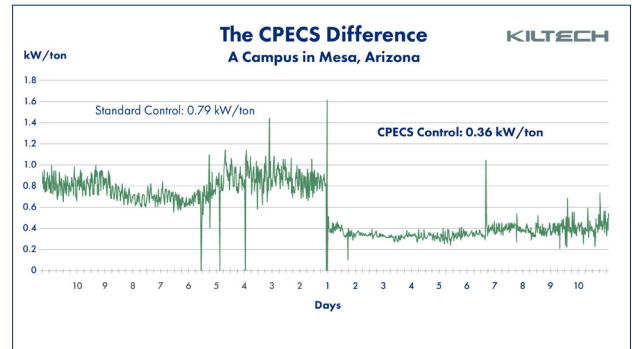


CENTRAL PLANT ENERGY CONSERVATION SYSTEM (CPECS)

True optimisation for chillers of any brand, and optimisation for chiller plants.

- Efficiency driven
- Real-time control
- Optimises regardless of brand
- Performance improvements 20-75%



CPECS Optimisation Yields Results

About Kiltech

Kiltech is an affiliate of the Smardt Chiller Group in Montreal, Canada. Kiltech’s focus is optimisation for chillers of all brands, and optimisation of chiller plants. Both Kiltech and Smardt have their beginnings with Turbocor’s 1990s oil-free compressor development team.



2004

A group of Turbocor R&D engineers forms Kiltech Inc. to leverage Turbocor expertise in the HVAC market.



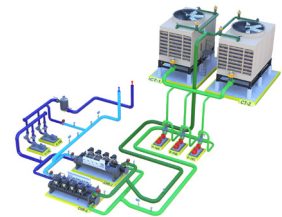
2005

Kiltech develops chiller controllers for Smardt Inc., utilizing Turbocor expertise to control and sequence up to 8 compressors on a single chiller.



2008

Kiltech develops the first CPECS to optimize chiller plant controls. Initial results show more than 30% savings over conventional controls.



Present

Kiltech’s CPECS footprint grows to over 200 sites on 3 continents. Development continues on GIO, energy models and controls sequences.

Kiltech Optimisation

With over 200 installations across the world, Kiltech is one of the top global providers of chiller plant optimisation. Utilizing extensive experience with Turbocor compressor technology, chiller and refrigeration thermodynamics, and chiller plant design and control, Kiltech developed the Central Plant Energy Conservation System (CPECS) to ensure end-users get the absolute most out of their plant.

KILTECH

CPECS Products

The CPECS suite of solutions ranges from energy auditing to full chiller plant optimisation.



Model A

Automated energy auditing tool



Model S

Integration into an existing BAS



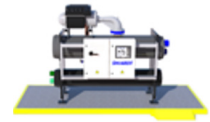
Model T

Full control of the chiller plant



CPECS Cloud

Cloud integration with ability to monitor performance of multiple chiller plants



Solo

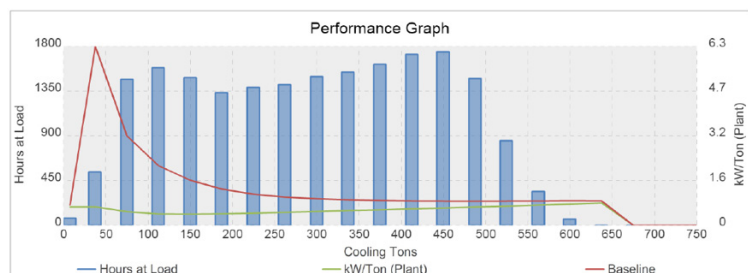
Add to a Smardt chiller controller

Case Study



Client: UNCW
 Application: University campus
 Location: Wilmington, North Carolina

- CPECS at 4 buildings on campus
- Marbionc building's 1500 TR plant
- Nearly 100% OA system, feeding commercial and educational
- Plant efficiency over 3-year period: 0.556 kW/TR
- Smart + CPECS Model T = 47% savings versus ASHRAE 90.1



EMEA

Germany • Smardt-OPK Chillers AG • T +49 7024 79429 0 • E sales.eu@smardt.com • www.opk.de
 United Kingdom • Smardt Chiller UK • T +44 1842 824830 • E sales.uk@smardt.com

Americas

Canada • Smardt Chiller Group Inc. • T +1 514 426 8989 • E sales.na@smardt.com
 USA • Smardt Chillers Inc. • T +1 518 324 5741 • E sales.na@smardt.com
 Brazil • Mecalor Solutions (licensed partner) • T +55 11 2188 1700 • E sales@mecalor.com

Asia Pacific

Australia • Smardt Chiller Pty Ltd • T +61 3 9761 7905 • E sales.au@smardt.com
 China • Guangzhou Smardt Chillers Manufacturing Co. Ltd • T +86 20 8205 7161 • E sales.cn@smardt.com
 China • Guangzhou Smardt Chillers Manufacturing Co. Ltd, Nanjing Branch No. 2 • T +86 25 8532 6977 • E sales.cn@smardt.com
 Hong Kong • TICA Smardt Hong Kong Ltd • T +852 2772 8448 • E hk.info@smardt.com
 Singapore • Smardt Chillers Pte Ltd • T +65 6273 1120 • E sales.as@smardt.com

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