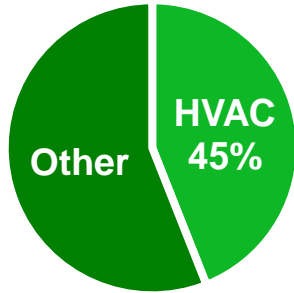




2016 ACEEE Intelligent Efficiency Conference
Austin, Texas
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2016

Presented by:
Michael Serour, B. Eng
VP Sales & Marketing



~45%

energy in hospitality properties is used for heating and air-conditioning;

2nd largest expense
after labor



hospitality occupancy patterns are totally random

unlike residential or other commercial environments



Many compartmentalized rooms with independent temperature control

unlike residential or other commercial environments

occupancy detection



Verdant thermostats are equipped with embedded infrared occupancy sensors and automatically adjust temperature when room is unoccupied

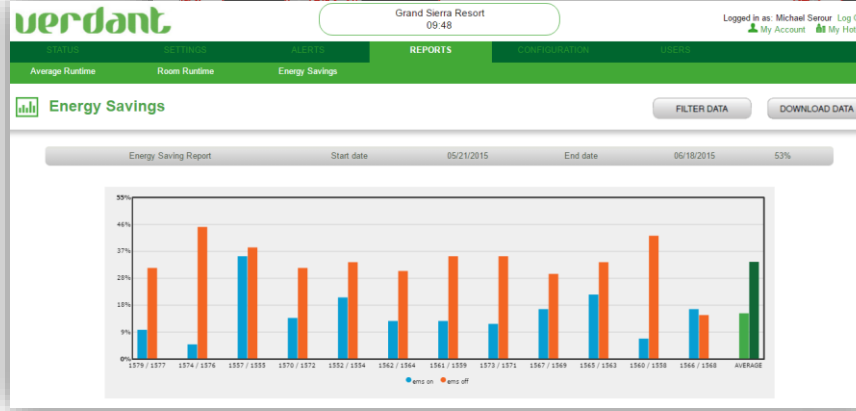
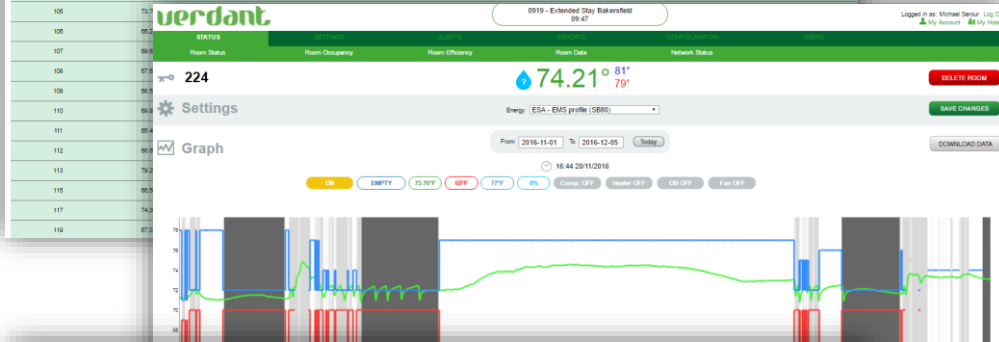
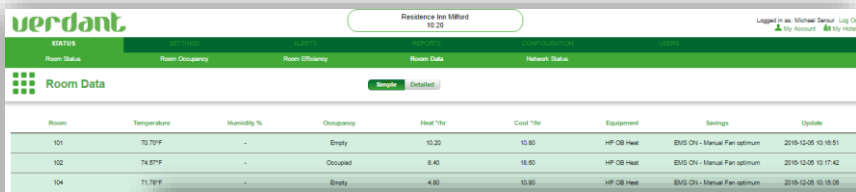
Patented “Night Occupancy” feature ensures guest comfort at night. Verdant EMS thermostats suspend setback at night while guests are asleep, even if occupancy is not detected.



$$\max_{0 \leq x \leq 1} x e^{-x^2}$$
$$\lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$
$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Dynamic Intelligent Recovery calculates the “slew rate” in each room to ensure that a desired temperature can be restored quickly when the guest returns.

web access & data



Comprehensive Remote Management

Web-based remote management application allows around-the-clock remote monitoring and configuration.

Data from over 1,000 hotels across North America

- EMS runtime reductions
- Seasonal variations
- Geo variations
- Peak consumption



Michael Serour, B. Eng

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COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS. US PATENTS: 7,918,406; 7,232,075; 7,185,825; 7,156,318; 7,152,806; 7,145,110; 7,050,026; 7,028,912; 6,902,117; 6,789,739; 6,786,421; 6,619,555; 6,581,846; 6,578,770; 7,838,803; 7,841,542; D556,061; D518,744; RE40,437; CANADIAN PATENTS: 2,633,113; 2,633,200; OTHER PATENTS PENDING.

Verdant Environmental Technologies reserves the right to make changes, without notice, in design or components as progress in engineering and manufacturing methods may warrant. Product appearance may vary.