

Data Analytics Occupant Engagement and the Road to Self-Managing Buildings Tuesday Jan. 26; 9:00 am

The industry has made strides in improved building controls, automation and even deployment of IT, but we're still not close to the potential of advanced automation in our buildings.

Eventually we'll have almost self-managing buildings, where the systems can optimize themself, self-heal; and not only identify faults or failures, but can compensate and re-configure the systems to minimize any impact of the system.

Jim Sinopoli, Brad White and Ken Sinclair discuss trends and directions





The Day IT Operates the Building

Building operations to a new level for the benefit of occupants and building owners. Eventually we'll have almost self-managing buildings, where the systems can optimize them self, self-heal; and not only identify faults or failures, but can compensate and re-configure the systems to minimize any impact of the system.

Self Managing Systems

- Current Building Automation
- Half Full



- Future Building Automation
- Full Glass

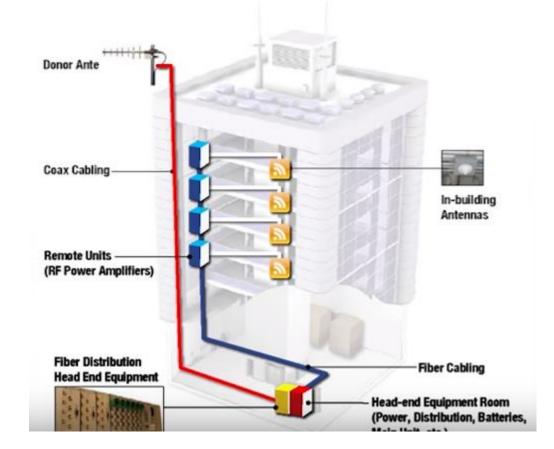


Examples Of Self Managing Systems





Navitron Autopilot Type NT921MKII



AUTONOMIC COMPUTING

 Growing interest in systems and networks that practically run themselves.



- Autonomic computing refers to the selfmanaging characteristics of distributed computing resources.
- Adapting to unpredictable changes while hiding intrinsic complexity to operators and users.

Self Managing System Levels and Elements

	Basic: administrators and IT professionals manage various tasks through their own abilities and experiences
SAICO	Managed: various management technologies and techniques are used to collect information from systems
CD.	Predictive: new techniques and methodologies are incorporated for correlation among different components.
Junt	Adaptive: actions are taken automatically through available information and knowledge.
	Autonomic: technology monitors and analyzes business policies and objectives; can also change these policies and objectives.

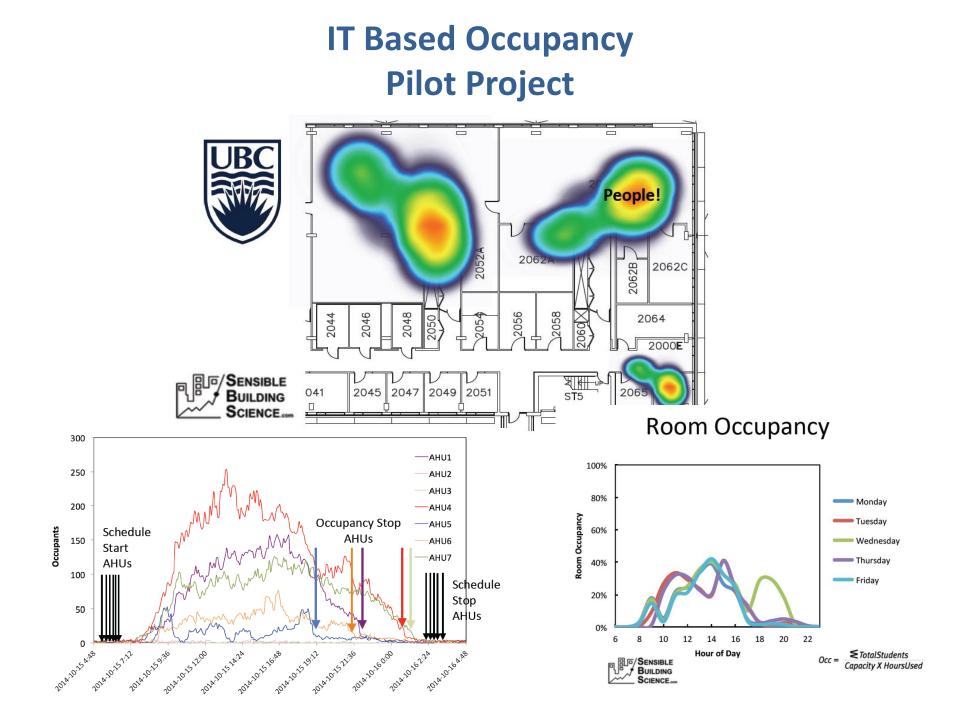
- Self-configuring-Hardware subsystems
- Self-healingdetecting hardware and other faults instantly
- Self-optimizing-By measuring resource usage and performance
- Self-protecting



In Search of a Brain for **Buildings**

...it's only a matter of time before someone creates the self-learning software brain that the self-driving building requires.





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"The more contact I have with humans, the more I learn" - The Terminator



Our Education sessions

- Data Analytics / Occupant Engagement and the Road to Self-Managing Buildings Tuesday Jan. 26; 9:00 am
- Fourth annual Connection Community Collaboratory, Orlando, Tuesday Jan. 26; 1:30 pm

An education session and discussion led by industry experts about how we need to approach creating and selling connection to the world.

An open fun Collaboratory atmosphere; come learn and share your opinions.