"A Walk with Owners" Sustainable Labs Canada

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Presentation Overview

- Fine-Tuning Management
- Inform Behavior
- Living on the Edge
- Music "An Informational System"
- Standardized Communication
- Finding the Stakeholders
- Measuring and Awarding Results

Management Realities

- High-tech buildings, such as laboratories, data centers, cleanrooms, and hospitals are resource intensive.

- On a square-foot basis, labs alone often consume at least four to six times as much energy as a typical office building.

- They are very costly to build, <u>operate</u> and <u>maintain</u>.

- Involve more regulatory oversight, including health and safety, hazardous materials management, etc.

- Often require 24-7 operations.

- Contain specialized equipment, maintain unique processes, and often require a level of higher security.

- Continually influenced by evolving technologies.

Roadmap to Performance

- Many labs and other high technology facilities are not speculative buildings, but long-term investments

- Designed and engineered to attract the greatest intellectual resources that are available.

- Built to meet dynamic and flexible requirements which will influence the building's life-cycle performance.

- To addressing the complexities of these and other buildings, performance demands information that ensures performance and guides behavior.

- Unlike automobiles, buildings have many hands-on "drivers" and no shared guidance, user manual, or "dashboard."

- Nevertheless….

Everyday Dashboards
(performance guides)
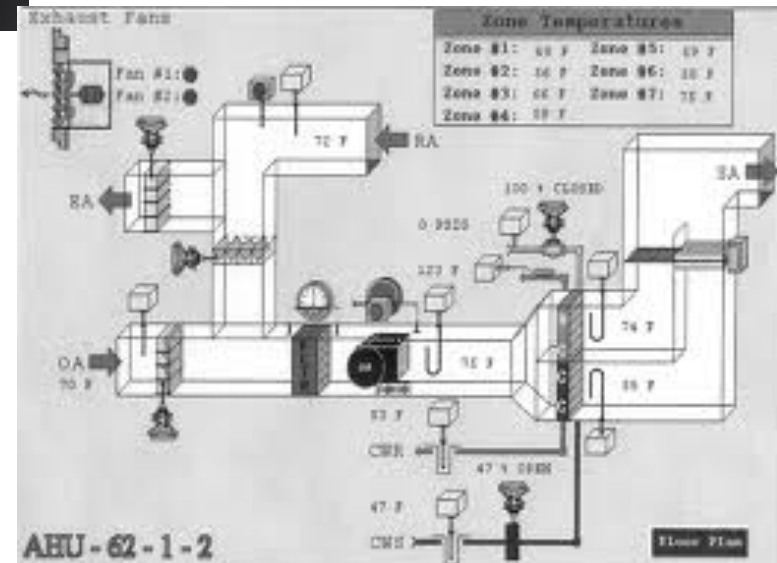
Active Diet Management

Active Energy Management
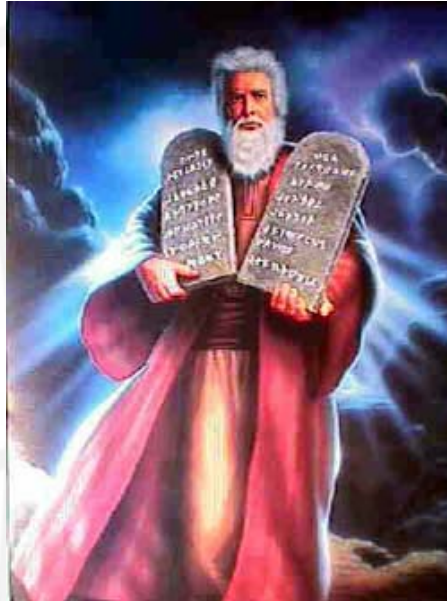

Guiding Behavior

Building Dashboard but No Guidance for or from Others

Training for Behavior
(authority having jurisdiction - AHJ)

Train for an Outcome

Start Early!
(authority having jurisdiction)

www.abeautifulruckus.com

Customized Planning

Easy-to-Read Signage

Built Environment
(a solution for a single human activity)

Environment for Living

(Solutions for Multiple Activities)

Living on the Edge

Communicating Information

Communicate for Results

- Understandable
- Efficient
- Standardized
- Consistent
- Comprehensive
- Influential

Human Behavior Influenced through Communication

We Can Play That!

So Can We!

Standard Language

Complex Built on Simple

Trained and Responsible

- Drawing a parallel to buildings…

Simple to Complex

Outside is Not the Only Challenge

Major Influences

AHJ

Say Goodbye

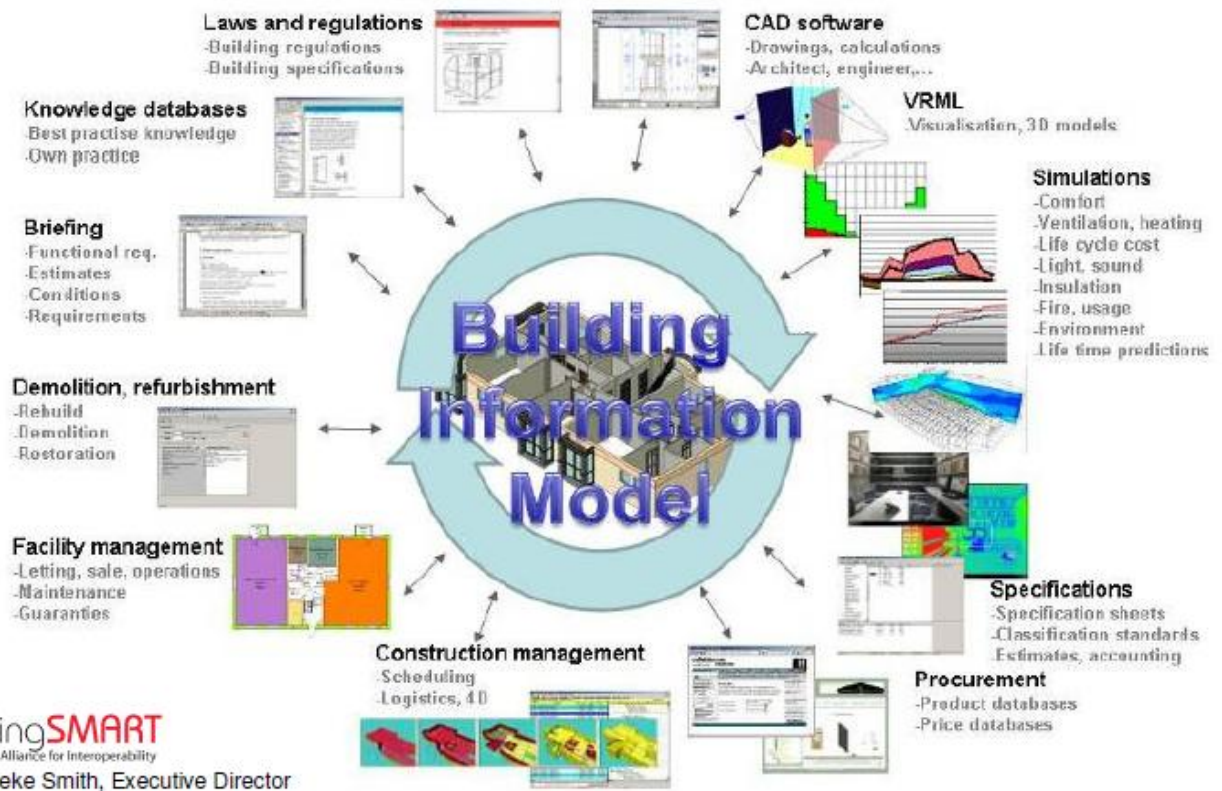# Embrace Fullest Participation

Start Early

Engage All Stakeholders

With Tools for Life Cycle Performance

BIM Lifecycle View

Using Standardized Communication

To Benefit the Investor

Nutricap Labs President and Founder, Jason Provenzano was featured in today's Executive Suite column of Newsday.

With a Coordinated Solution

For Robust Participation

Communicate for Results

Understandable
Efficient
Standardized

Consistent
Comprehensive
Influential

BIM for Life Cycle O&M Award

I²SL Annual Conference

2014

September 22–24
Orlando, Florida

Thank You

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