PROJECT GOALS

Assess sustainability of the bill of materials for the IO.Anywhere® modular data center product

Establish a method for the IO team to evaluate & select materials with sustainability goals in mind

STRATEGY FOR IDENTIFYING MATERIALS

IDENTIFY “HOTSPOTS”

Is the material environmentally friendly? + Is the item structurally integral to module? =

INSULATION
WIRE SHEATHING
PACKAGING
FIRE SUPPRESSANT
PAINTS
SEALANTS
ROOFING
ADHESIVES

ANALYZING MATERIALS: A DECISION-MAKING TOOL

Define Function
Distill item’s function to its essence

Specify “Pain Point”
Look for visible, obvious red flags (e.g., health, environment)

Assess Regulations
Assess codes, regulations & existing certifications

Identify Alternatives
Seek items that demonstrate sustainability improvement

Evaluate & Decide
Is item cost effective? Does it meet other goals?

EXAMPLE

Insulation - Reduce heat exchange between inside & outside
Uses toxic flame retardant (HBCD); Recyclability issues;
Fire code might mandate use of flame retardant
EnGuard® Polyester Batts - no toxic fire retardant; potential LEED benefits

Yes, cost is similar to current material; increased sound insulation

INDUSTRY BACKGROUND

Growing Market
- Increased consumer mobile use & cloud computing
- Growth in “on-demand”

Sustainability Opportunities
- Energy efficiency
- Bill of material sourcing

The Company
Fast-growing startup
Employees: ~400
Founded 2007
Fortune 50 clients

The Solution
Intelligent data center modules

Traditional data center
Construction-based
Long up-front planning cycle
Performance analysis difficult
Expensive & bespoke
One-of-a-kind

IO.Anywhere®
Product-based
Off-the-shelf
Operational transparency
Lower total cost
Standardized