State-of-the-Art, Profitable Energy Management
1 hospital’s waste = 500 households’ need
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1. JoulePAYS: Transforming Existing Habitats

2. DeJoule: Technology of Future

3. Smart Cool: Transforming Future Habitats
• **Technology Upgrade:** DeJoule + Comprehensive Retrofit (cooling, pumping, lighting, hot water, etc.)

• **0 Up-Front Cost** for customer, 100% investment from Smart Joules

• **15% Savings Guarantee**

We are taking 70% of the energy savings delivered for five years
1 hospital's waste = 500 households' need

29% reduction
~ 550 households
1 hospital’s waste = 500 households’ need
Customers

Awards and Recognition

SANT PARMANAND HOSPITAL
Health to All
Maharishi Ayurveda
TMU

Ministry of Power
Parivartan Awards
UNYCC

Hello Tomorrow
Sustainability Leadership
THE ECONOMIC TIMES

Hello Tomorrow
Confederation of Indian Industry
THE HUFFINGTON POST

BM BUSINESSWORLD
We Can Do 50,000 households

Can We Do 300,000,000 households?
Limitations:

• Re-engineering 1000’s of buildings can’t be the best answer
  • We can’t physically be everywhere
• We need a **fundamental transformation** in the way energy is managed
We need to **digitize** buildings & turn them into **intelligent spaces**
• Where energy is consumed and how much?
• What combination of chillers, pumps, cooling towers and AHUs to run?
  • Damper or AHU motor speed?
  • Optimum set points?
• Secure, continuous and automatic adjustments based on data?
• How we can do this affordably for all buildings?
Breakthroughs:

- Customizable Analytics & Control Algorithms
  - 100% Wireless
  - Affordable for All
- Very Soon: Intelligent (Self-Learning)
Limitations:

- Air Conditioned Homes Will Choke Us
- We’re Too Close to Too Late
Goal: Empower Young Developers To Lead the Sustainable Cooling Future

100% Grant Funded & Tailor-Made Program (Trainings, Tools & More)

Step 1: Deconstructing Construction Dialogues

Kick-Off: Kochi (March 24th – 26th)