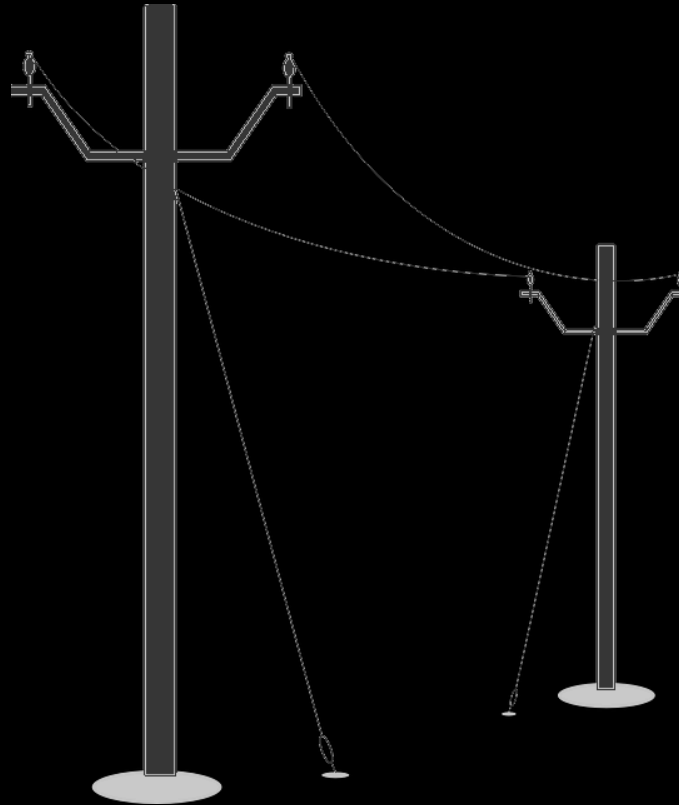
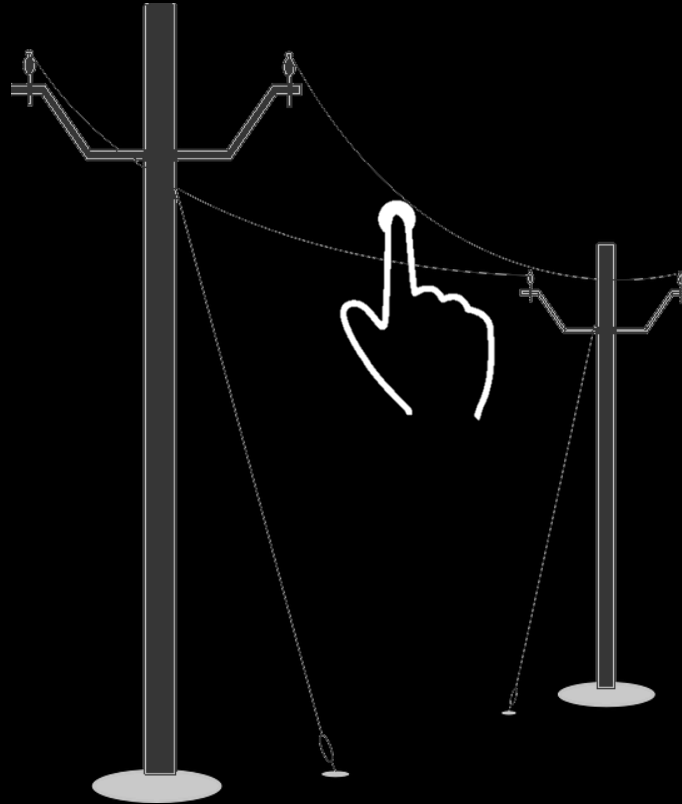
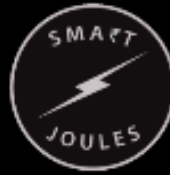


**State-of-the-Art, Profitable
Energy Management**







1. JoulePAYS: Transforming Existing Habitats

2. DeJoule: Technology of Future

3. Smart Cool: Transforming Future Habitats

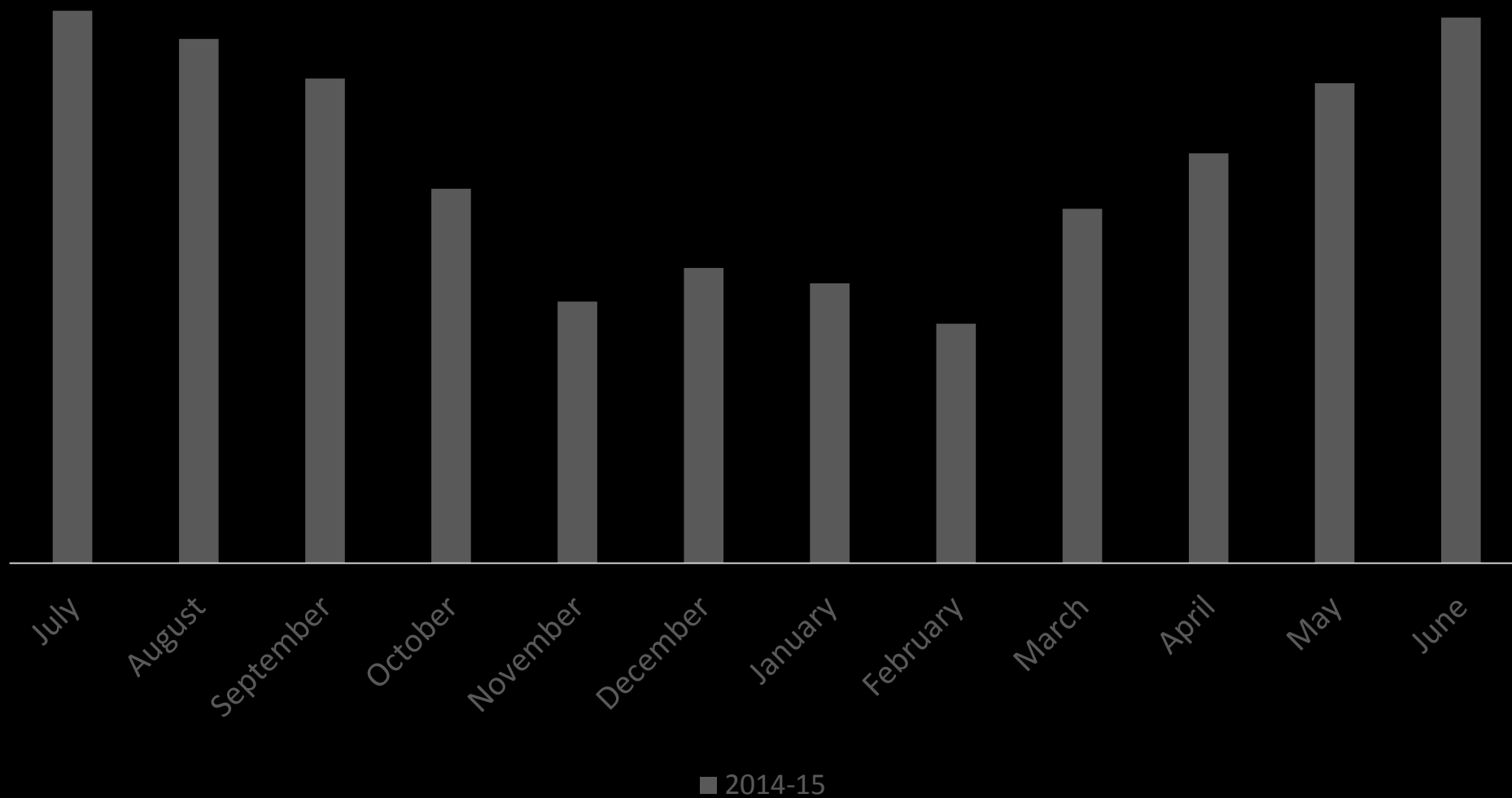


JoulePAYS





JoulePAYS





- **Technology Upgrade:** DeJoule + Comprehensive Retrofit (cooling, pumping, lighting, hot water, etc.)

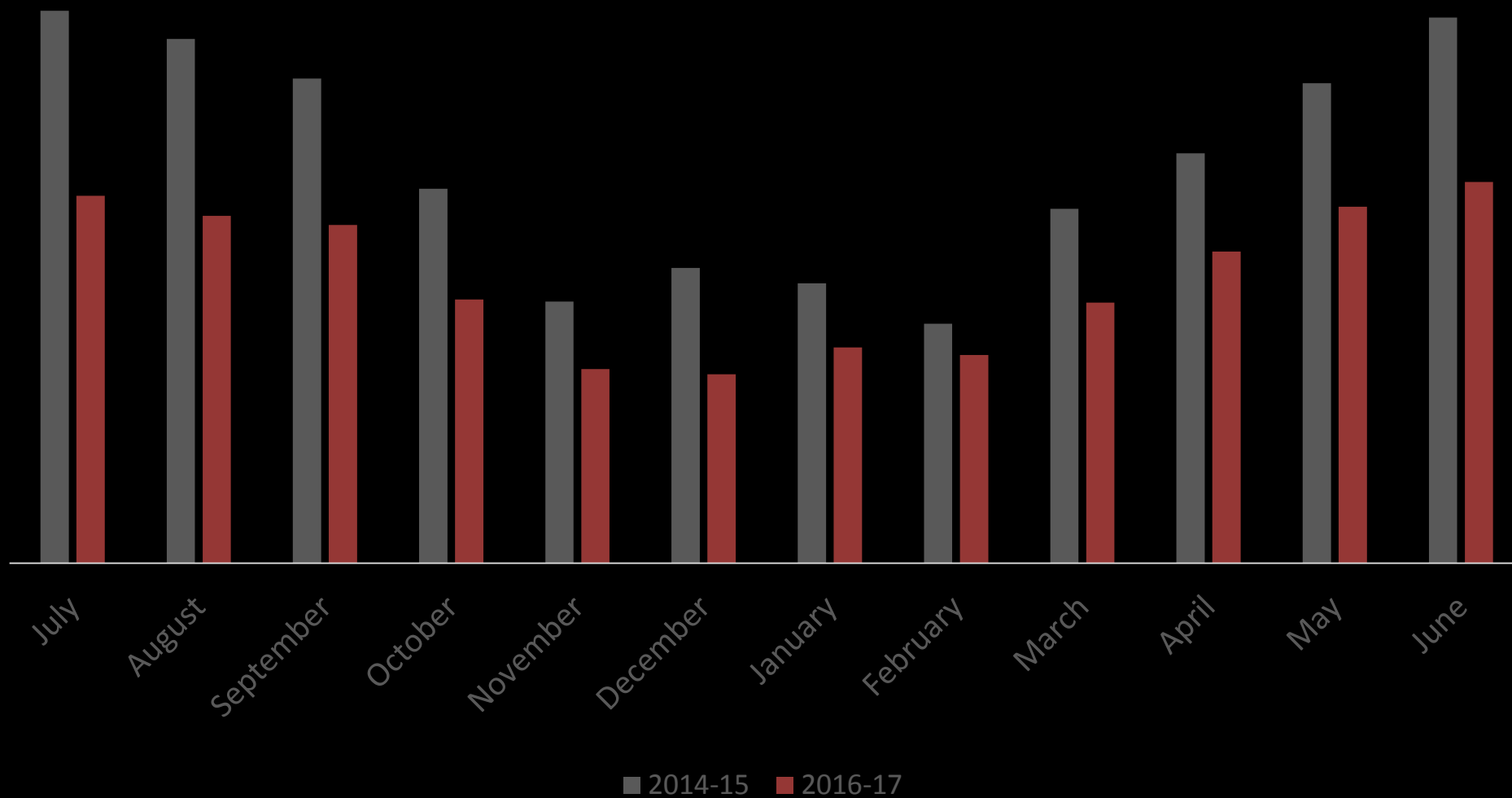


- **0 Up-Front Cost** for customer, 100% investment from Smart Joules
- **15% Savings Guarantee**

We are taking 70% of the energy savings delivered for five years



JoulePAYS





JoulePAYS

29% reduction



JoulePAYS

~ 550 households



JoulePAYS





JoulePAYS

Customers



**SANT PARMANAND
HOSPITAL**
multi super speciality hospital
ISO 9001:2008



**Maharishi
Ayurveda®**



Awards and Recognition



Ministry of
POWER
GOVERNMENT OF INDIA



Hello
Tomorrow



Parivartan Awards
Sustainability Leadership



Confederation of
Indian Industry



THE
HUFFINGTON
POST



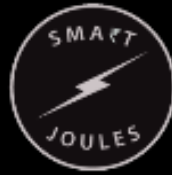
BW BUSINESSWORLD



JoulePAYS

We Can Do 50,000 households

Can We Do 300,000,000 households?

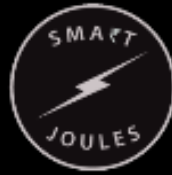


Limitations:

- 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**

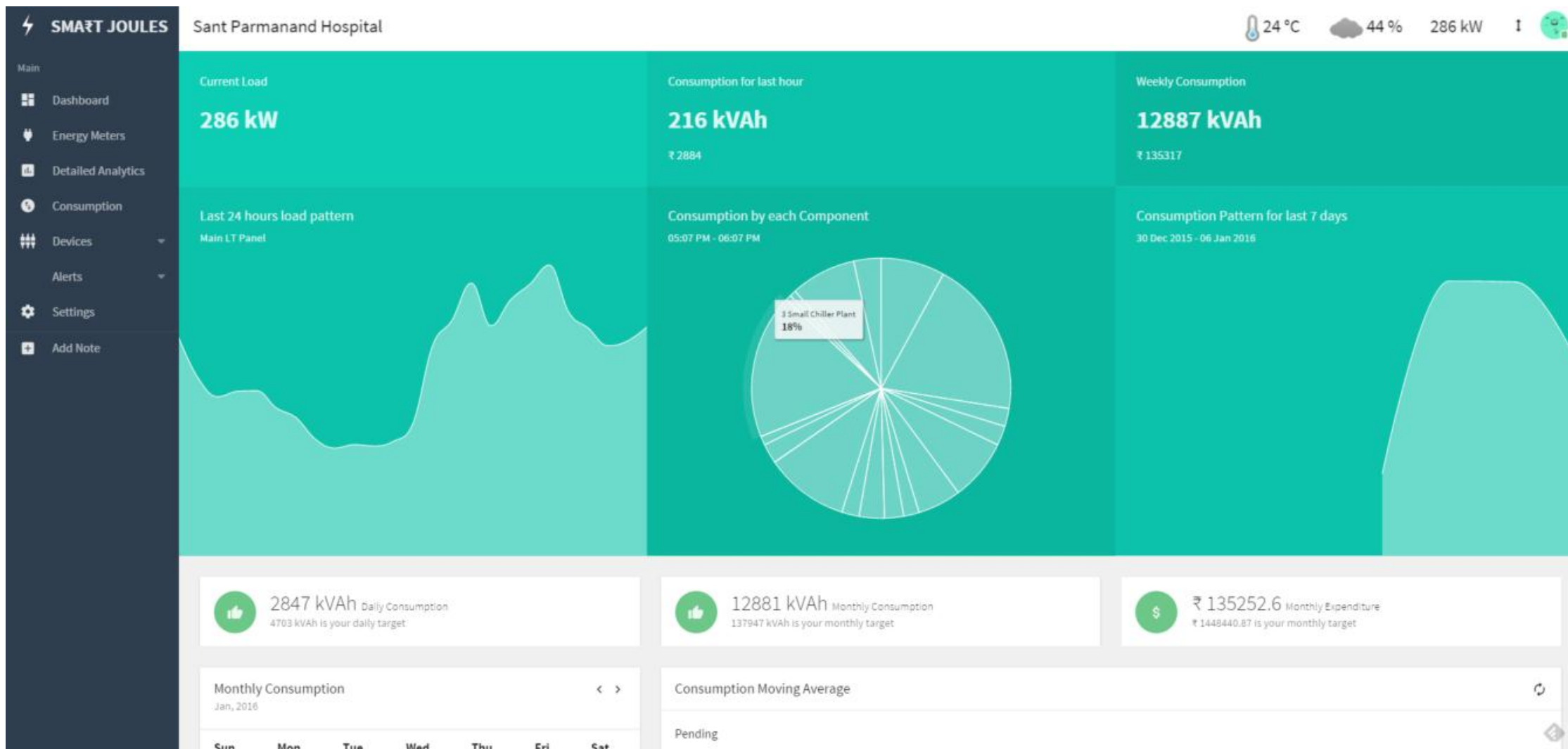


Do You Know?

- 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?



DeJoule





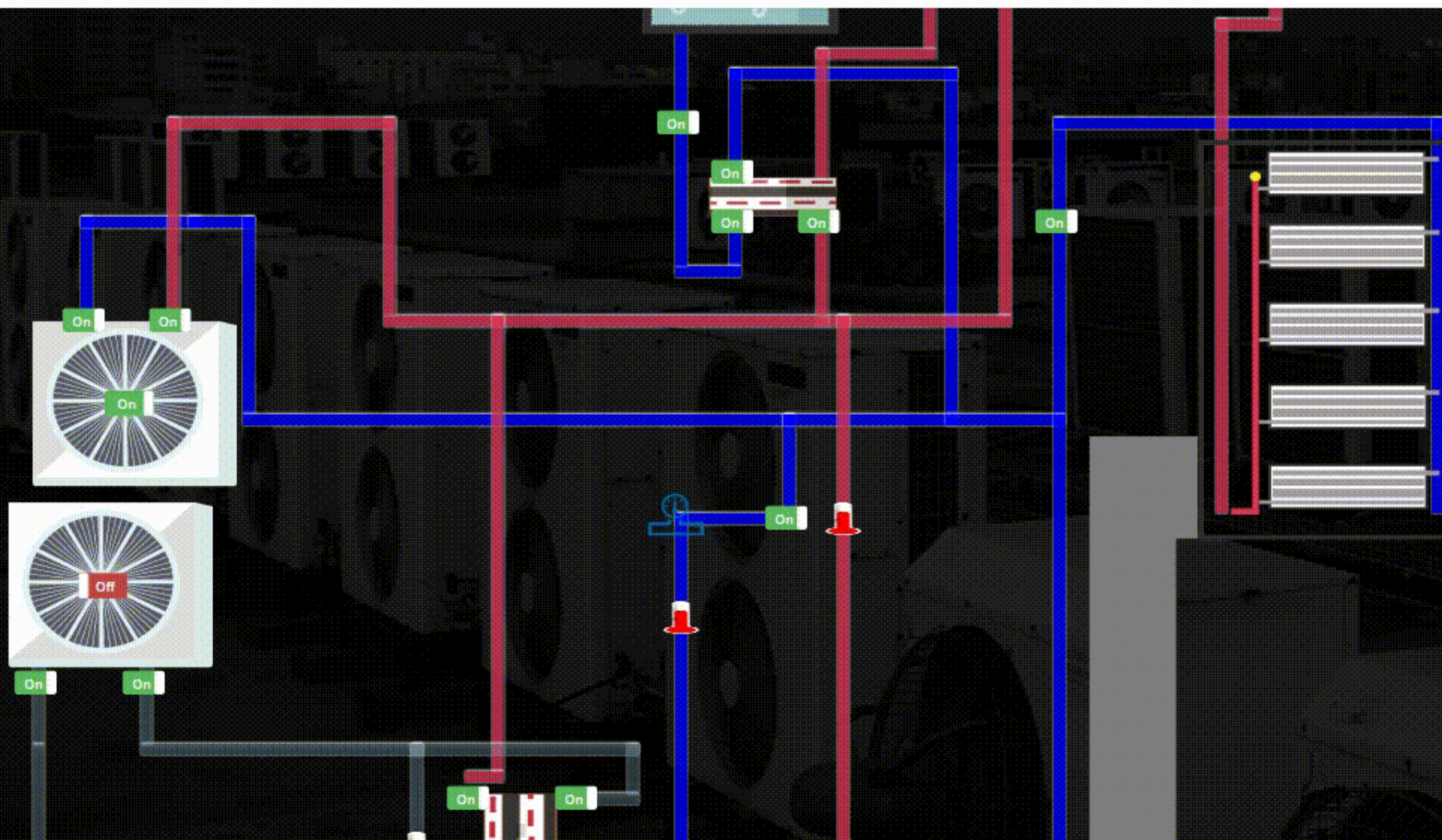
DeJoule

SMART JOULES

32 °F/ 25 °F

Main

- Dashboard
- Energy Meters
- Detailed Analytics
- Consumption
- Operation Mode
- Devices
- Components
- Alerts
- Reports
- Device Data
- Add Note





Breakthroughs:

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



Limitations:

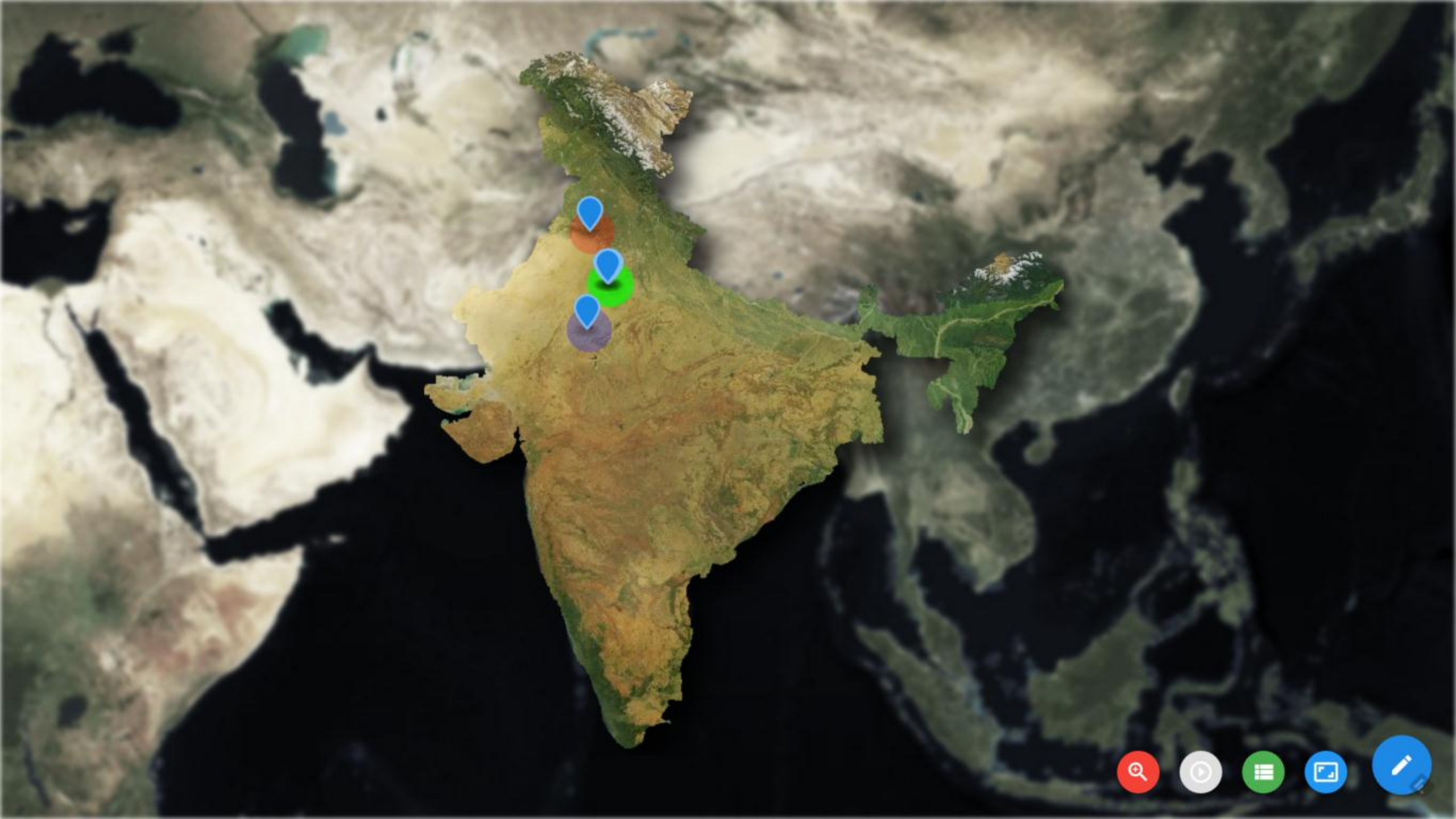
- Air Conditioned Homes Will Choke Us
 - We're Too Close to Too Late

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)





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