

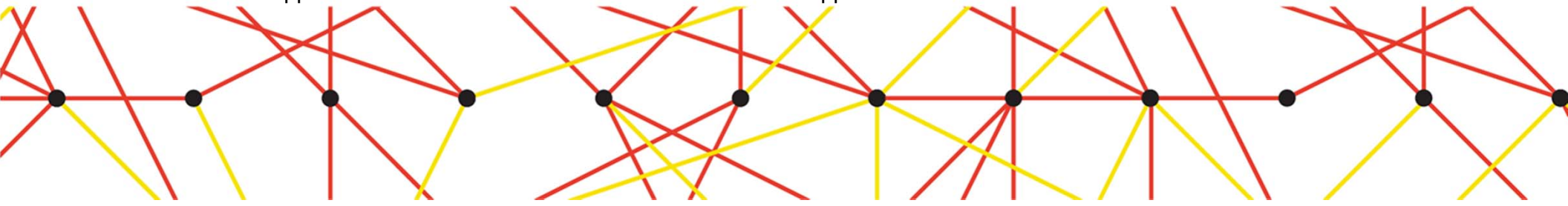
GE Appliances - **IB** FirstBuild

Grid Responsive GeoSpring HPWH



Tom Zimmer
Product Manager Geospring HPWH
General Electric Appliances

Sam DuPlessis
Design Leader
FirstBuild - General Electric Appliances



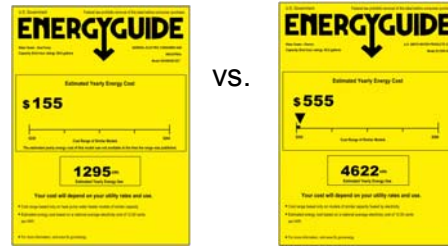


Topics

- Geospring HPWH**
- FirstBuild MicroFactory**
- Custom Grid Enabled Solutions**

GeoSpring™ provides efficiency & flexibility:

- Products deliver up to EF=3.39*
- Modes use Heat Pump, Elements or both “smartly”
- Vacation mode “idles” while away or for peak management
- Heat pump design capability to 170°F → Reserve capacity 50 gal same as 80



GeoSpring (EF=3.39) vs. Std Elec (EF=0.95)



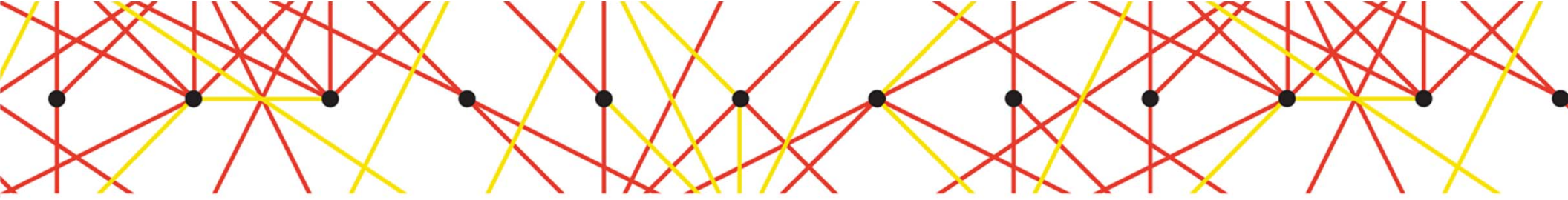
GeoSpring™ Consumer & Utility capabilities:

- Reduces energy consumption >70% vs. standard electric water heaters**
- Built in communicating capability for remote operation offers & alerts
- Utility control options for immediate Demand Response needs
- Electric Thermal Storage potential for grid management

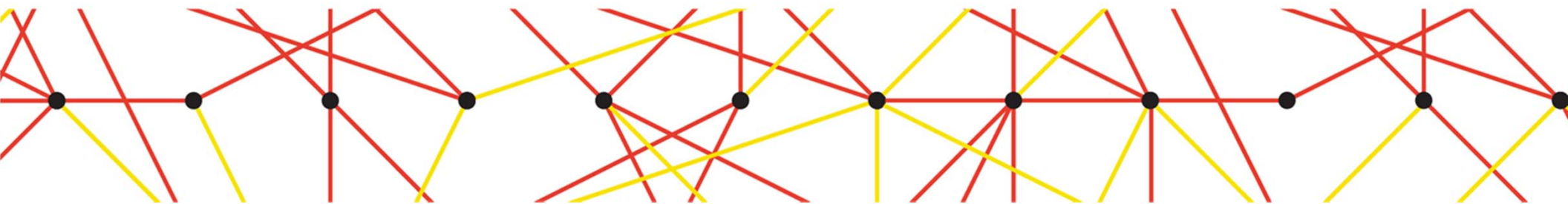
IB FirstBuild is the enabler...

* Based on DOE standardized testing

**Based on data found at: <https://www.ahridirectory.org/ahridirectory/pages/rwh/defaultSearch.aspx> and reflected in the Energy Guides shown



1B FirstBuild



Concept



Spec



Design



Product

Takes a Long Time! And the Cost is High!

FIRSTBUILD INNOVATION PLAYBOOK:

DESIGN – BUILD – SELL

CO-CREATIVELY

SMALL BATCHES

TO VALIDATE

“A prototype

is worth

a thousand meetings.”

THE FIRSTBUILD COMMUNITY

~4000
Microfactory
Visitors

9000
Community
members



PROGRAMMERS • DESIGNERS • ENGINEERS • TECHIES • MAKERS • THOUGHT LEADERS

FROM MIND TO MARKET

IDEA

CHALLENGE

PRODUCT



INDIEGOGO

Explore

How it works

Start a campaign



Finally, an affordable nugget ice maker for your home.

InDemand

\$2,747,747 USD

total funds raised



Original campaign was 1,699% funded on August 26, 2015

\$449 USD + Shipping

Opal - Pre Order

For a limited time only, get Opal for \$449. That's \$50 off the future \$499 price. This special pricing ends soon. Act now!

You will get (1) Opal Nugget Ice Maker. Ships July 2016.

47 claimed

Estimated delivery: July 2016

Ships to: Canada, United States

AN INNOVATION ENGINE

DESIGN

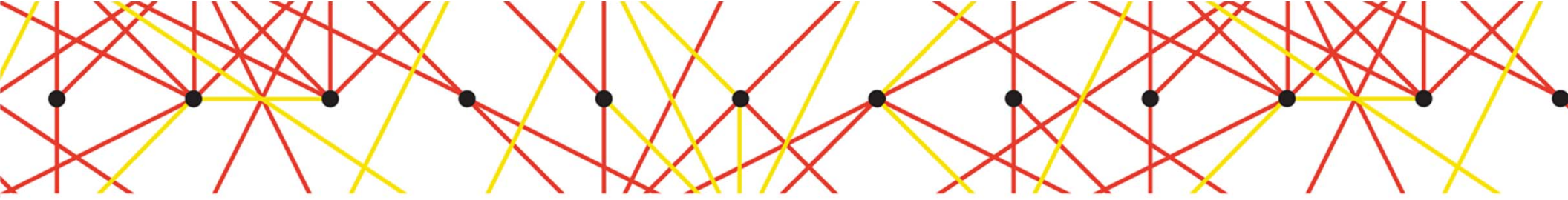


BUILD



SELL





IB FirstBuild

Grid Interactive Water Heater Solutions

