GE Appliances - FirstBuild

Grid Responsive GeoSpring HPWH

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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™ 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

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* Based on DOE standardized testing
**Based on data found at: [https://www.ahridirectory.org/ahridirectory/pages/nwh/defaultSearch.aspx](https://www.ahridirectory.org/ahridirectory/pages/nwh/defaultSearch.aspx) and reflected in the Energy Guides shown
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
Add a nugget ice maker to a BF or SXS refrigerator. The ice would be stored and dispensed thru the door or scooped by the consumer.

alan.mitchell

CHALLENGE

PRODUCT

Opal
NUGGET ICE DESIGN CHALLENGE
stone cold
Finally, an affordable nugget ice maker for your home.
AN INNOVATION ENGINE

DESIGN

BUILD

SELL