



# Hybrid Architect Snapshot

## VALUE FOCUSED DESIGN

Techno-economic modeling platform that optimizes hybrid system design for NPV, IRR, or LCOE

### What does it do

The Hybrid Architect is a techno-economic modeling tool that evaluates hybrid renewable power plant project economics and fine tunes system configuration to help to improve value for the plant owner.

- Accommodates dozens of generation source combinations including Solar PV, wind, BESS and gas turbines
- Simulates hourly plant operation for the life of the project
- Calculates project life costs, including CAPEX, OPEX, financing, depreciation, capital reserves, tax liability and incentives
- Enhances plant configuration for maximized return on investment

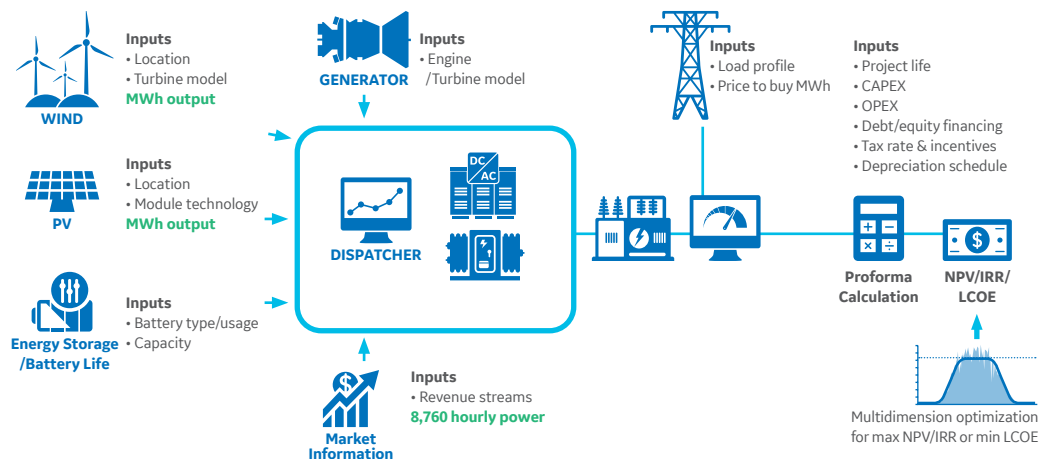
### Customer value

- Refines plant configuration to enhance KPIs – IRR, NPV, LCOE
- Proforma calculation for global sites using market specific use cases, financial and tax inputs
- Detailed report ranging from KPIs to annual plant performance to plant hourly operation details

### Key Applications

- PPA: flat rate/tiered
- Merchant markets
- Capacity: Peak hours for capacity payment calculation.
- Ancillary services/Load-following: Hourly price strips and load profiles for all major ISOs and Grid Authorities.

### How does it do it



### Other Related FLEXIQ Solutions

- Plant Control
- Dispatcher
- Monitoring & Diagnostics (MD)

[www.ge.com/renewableenergy/hybrid](http://www.ge.com/renewableenergy/hybrid)

©2021 General Electric. All rights reserved. \*Trademark of General Electric. All other brands or names are property of their respective holders. GE reserves the right to make technical changes or modify the contents of this document without prior notice. Agreed particulars within purchase order will prevail.