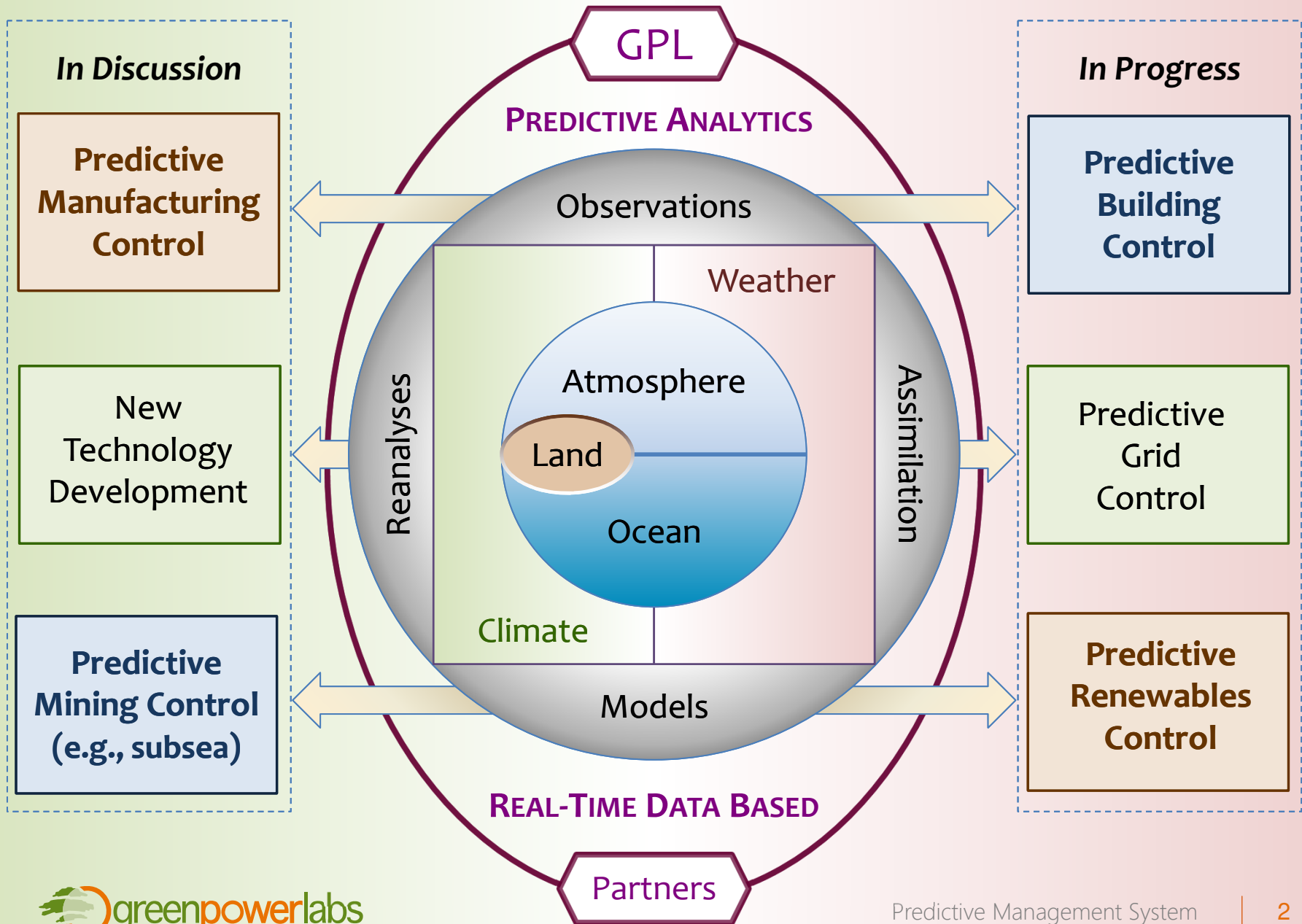




Predictive Energy Management:
Introduction to
Technologies and Products

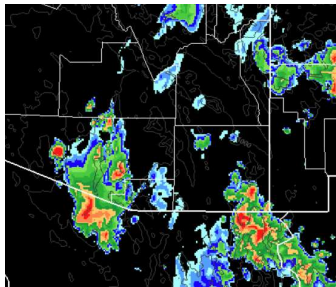
OUR PLAY...



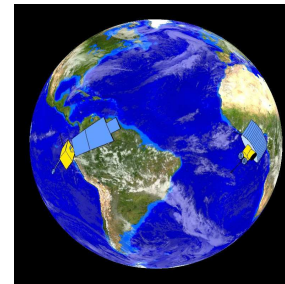
OUR PATH IN ENERGY TRANSITION...

PREDICTIVE ANALYTICS PLATFORM: Weather-to-Energy Forecasting for Real Time Operations

High Resolution Weather
Forecast



Geostationary Satellite Imagery
Processing



Advanced Modeling &
Calibration Techniques



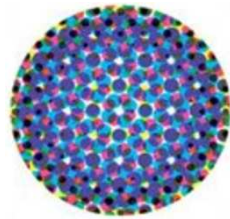
Data Exchange to users via API,
FTP

SolarSatData
monitoring & forecasting

OUR PATH IN ENERGY TRANSITION...

PREDICTIVE BUILDING CONTROL: Optimizing HVAC Operations in Commercial and Multi-Unit Residential Buildings

Real-time Building Sensors
Data Management and
Analytics



High Resolution Site &
Surface Specific
Weather Forecast



AI-based Predictive Building
Response to Optimize Building
Performance



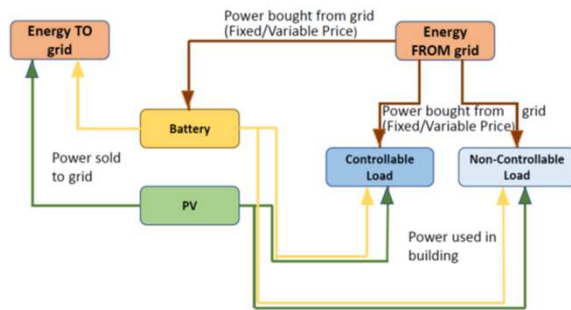
Supervisory Control of HVAC
Equipment



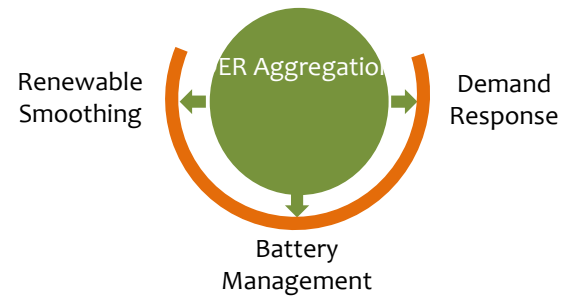
OUR PATH IN ENERGY TRANSITION...

PREDICTIVE GRID CONTROL: OPTIMIZATION OF SOLAR AND STORAGE IN BUILDINGS AND MICROGRIDS

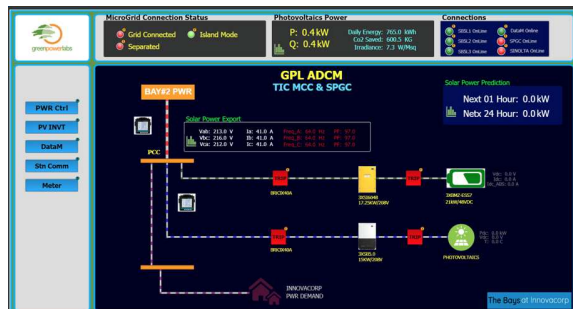
Economic Dispatch



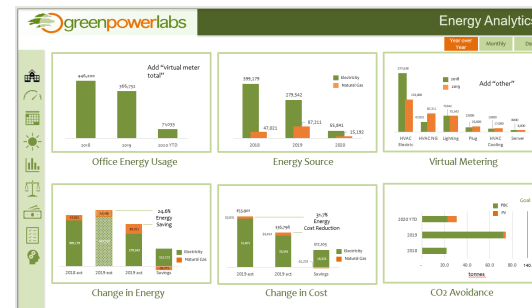
Generation Control For Ancillary Services



SCADA Platform

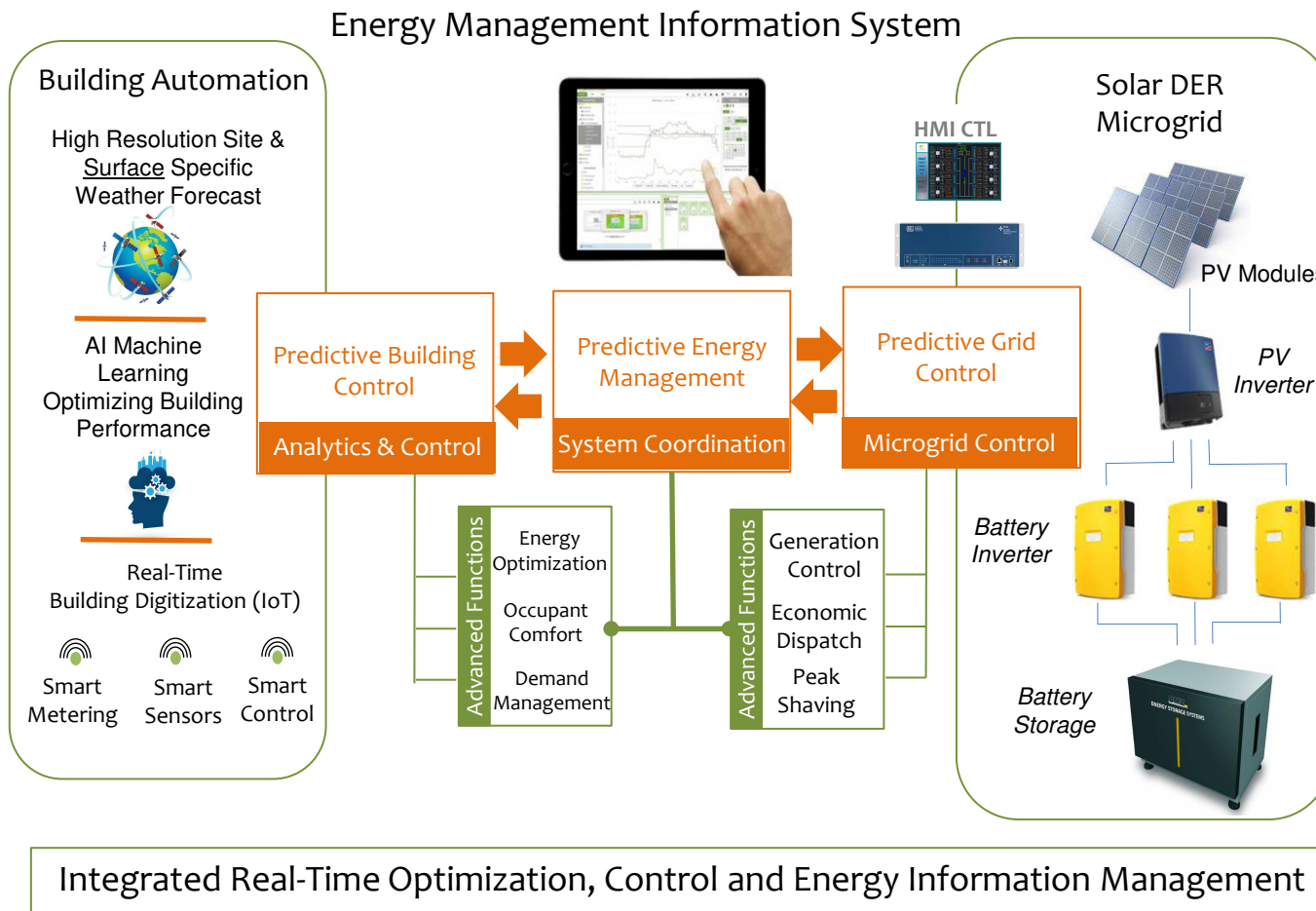


Energy Management Information System



OUR PATH IN ENERGY TRANSITION...

Predictive Energy Management of Energy Consumption, Generation and Storage in Grid-Interactive Buildings



Efficient

Persistent low energy use minimizes demand on grid resources and infrastructure

Connected

Two-way communication with flexible technologies, the grid and occupants

Flexible

Flexible loads and distributed generation / storage used to reduce, shift, or modulate energy use

Smart

Analytics supported by sensors and controls co-optimize efficiency, flexibility and occupant preferences



Thank you!

info@greenpowerlabs.com
www.greenpowerlabs.com