

## Distributed Energy Control System

Our **RT|DECS** software allows you to customize and automate the management of utility-scale storage with an extraordinary degree of flexibility, control and responsiveness. Optimize grid storage across a wide variety of uses with our innovative and highly flexible approach to stored energy control and management.

- KEY FEATURES:**
- Storage devices can be configured into one or more VPPs
  - Each VPP has its own automated control strategy
  - Multiple, automated control modes available

### Harnessing the Power of a Virtual Power Plant

The **RT|DECS** application allows each storage device on the grid to be configured into one or more virtual power plants (VPPs). Each VPP acts as its own resource, producing or consuming power, and can be configured with its own automated control strategy. This gives utilities and power generators an extraordinary degree of flexibility, control and responsiveness to optimize grid storage across a wide variety of uses.

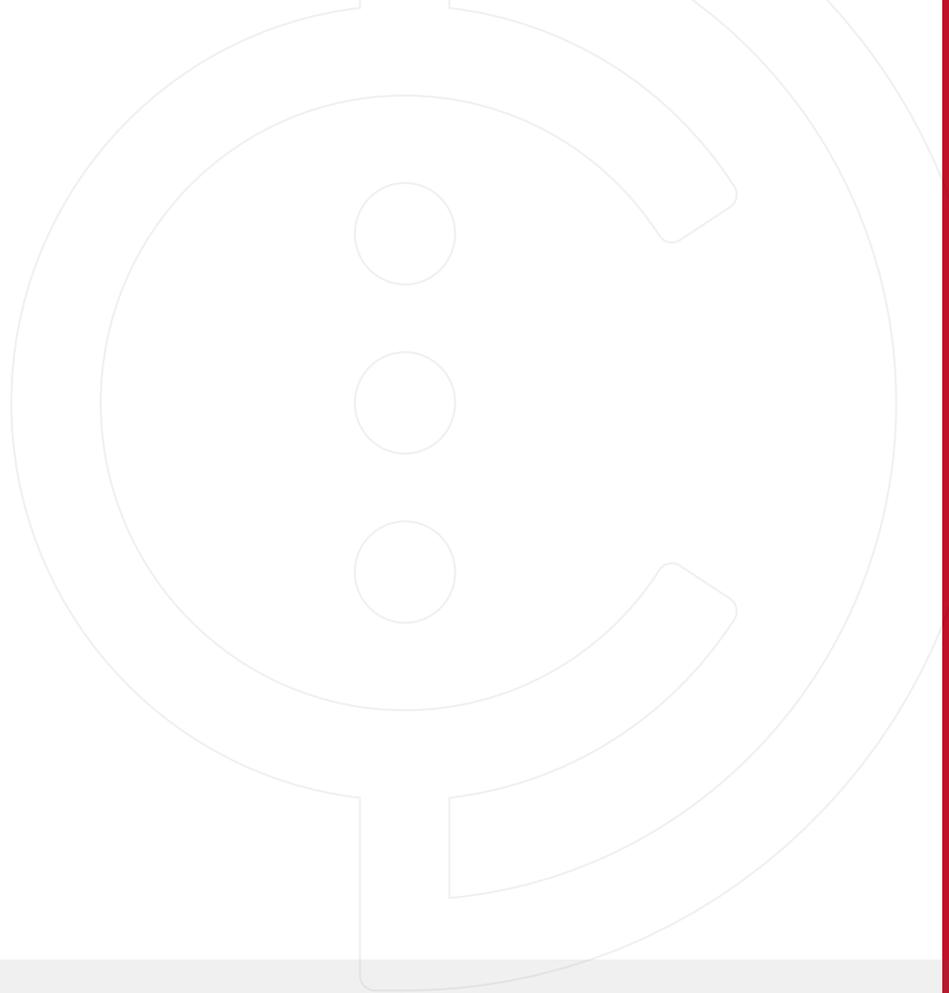
### Optimize Grid Storage

Each VPP can easily be configured to run in one of multiple automated control modes, including:

- **Schedule Mode** – allows the VPP to produce or consume power on a time-based schedule that is divided into intervals.
- **Dynamic Profile Mode** – enables the VPP to produce or consume power based on both a time-based schedule (a “profile”) and the value of an external real-time signal. This mode is typically used for renewable energy smoothing.
- **Market Operation Modes** – supports market operation, a set of modes that operate the VPP within the confines of the ISO Real-Time Market.
- **Manual Automatic Generation Control (ACG) Mode** – enables ACG for the VPP to be enabled or disabled from an ACG control file. In ACG mode, the VPP also provides high and low operating limits that are sent to the ISO via the **RT|RIG** system.
- **Automatic Dispatch Mode** – the VPP receives parameters from the ISO ADS system. These parameters are sent electronically to the utility and made available to the VPP.

**RT|DECS** includes a user interface for easily configuring the battery system, as well as full-featured graphical interfaces for ease of control when using the **RT|TDS** (control room) or **RT|ASP** (substation) systems.





### The Complete RT Solution

**RT|DECS** software is a member of the RT Real-time Smart Energy Suite™ applications from DC Systems, a leading developer of smart grid software.

Our products combine the power of distributed intelligence with centralized data management—putting intelligence where you need it, while centralizing configuration, administration, and monitoring at the enterprise level. RT applications interoperate throughout the Smart Grid—from field devices, to substations, to control centers, to the enterprise—giving you greater flexibility, control, and responsiveness.

Let Us Turn Your Data Into Smart Data.

## DCSystems

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