CellPort Cell Culture Suite Configuration

Powering Biopharmaceutical Research, Development, and Manufacturing

CELLPORT
SOFTWARE

A System That Can Be Tailored to Your Needs

The CellPort Cell Culture Suite revolutionizes laboratory software by adjusting to your SOPs instead of forcing you to adjust to the software. The off-the-shelf product contains a standard set of data models, data entry forms, and workflows to manage all your laboratory and business processes. Moreover, each standard item is extensible and new items can be added via an easy-to-use, low/no code toolset consisting of the following configurable components:

- ***Configurable Data Model***
  Allows the system to match the data you need to collect, using your terminology.

- ***Visual Form Designer***
  Allows for rapid dashboard and data entry form design via a simple to use drag and drop toolset.

- ***BPMN Workflow Engine***
  Allows for rapid executable workflow design via a simple to use drag and drop toolset, converting your SOPs directly into executable workflows.

Configurable Data Model

The CellPort Cell Culture Suite provides off-the-shelf functionality for all aspects of cell culturing and banking, but each customer has slightly different needs. To precisely meet those needs, the data model used by the application (i.e., tables and columns for each item) is fully extensible. The configurable data model allows the platform to adapt to both needs and domain language.

The Configurable Data Model Supports:

- Adding a new property to an existing object.
- Creating a new object.
- Creating new relationships between objects.
- Adding / removing validation rules that ensure the data entered by end users conforms to your business rules.

Visual Form Designer

The CellPort Cell Culture Suite includes a "What You See Is What You Get" (WYSIWYG) visual form designer that allows for rapid, no code / low code user interface development.

Form Designer Features:

- Drag and drop controls from the Control Toolbox onto the form.
- Control form layout using controls like the Section, Row, Tab, Grid, etc.
- Bind properties of the controls to expressions, allowing for rich and dynamic form layouts.
- Form behavior:
  - Calculated fields.
  - Validation rules.
  - User Interface event handling (on click, on change, on focus, etc.)
 - Disable controls based on user role.
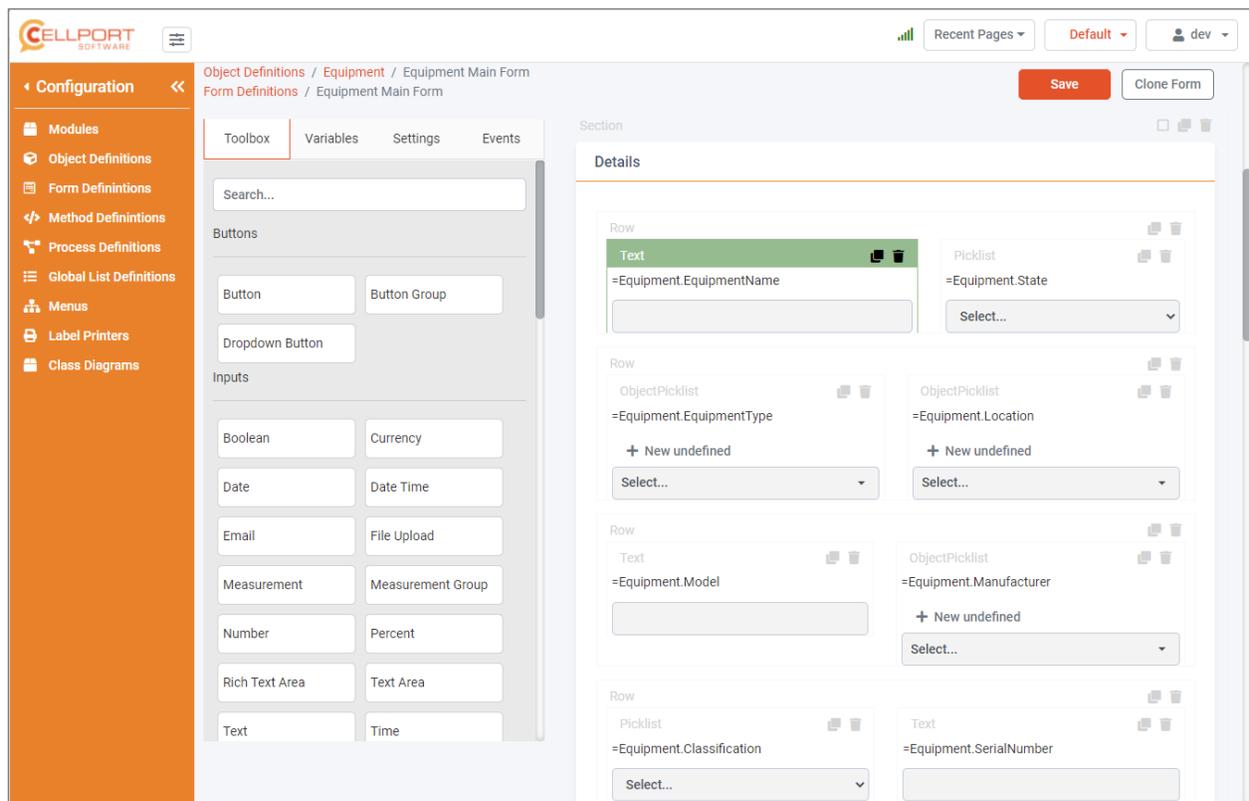
BPMN Workflow Engine

Many organizations document their business processes using flowcharts. Flowcharts can be very helpful for visualizing and describing the steps and decisions that make up a process, but they are not executable. They are simply a visual abstraction of a real-world process.

A workflow engine is software that allows business processes to be visually designed and directly executed. The CellPort Cell Culture Suite includes a Business Process Model and Notation (BPMN) 2.0 designer and execution engine, which brings your SOPs and processes to life directly in the application.

The BPMN Workflow Builder defines high-level tasks and decisions that constitute both lab and business processes in a visual, unambiguous design. Within each task, the Form Designer provides the flexibility for each data entry screen to display and collect any relevant information for your unique process.

When combined, the Configurable Data Model, Form Designer and BPMN Workflow Engine mean you no longer need to adapt your SOPs to reflect how the software works, and instead, the software adapts to and becomes your SOPs.
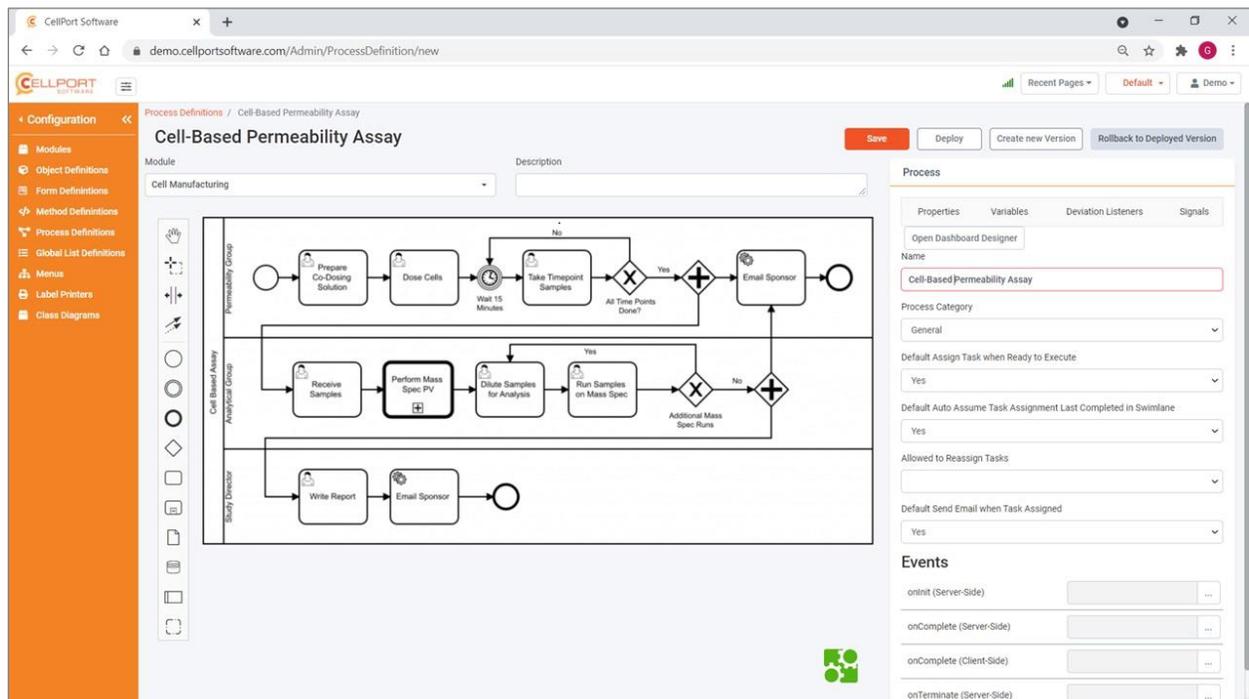
Find out more at: **cellportsoftware.com**