

PRODUCT GUIDE

ILLUMINATOR

Engineering Database



GD
PROGRESSIVE
SOFTWARE
SOLUTIONS



PRODUCT GUIDE

ILLUMINATOR

Current Plugin Modules include:

Engineering Database

Service Management

Asset & Capacity

Configuration Management

Project/Programme Governance

Data Visualisation Library

Knowledge Repository

Geo-Data Interface

Network Infrastructure

Management

Custom functionality

Financial Data

Interface to Graphical Data's

RESOLVE software

Engineering Database

Free the value in your data.

Providing data management and analytics via configurable and customisable software.

Targeted at and for the benefit of Middle to Enterprise business operations.

Module Description:

This module has two core features:

- Engineering data management tools that empower technologists in their day to day job, including sophisticated multi-step calculation engines, data validation functions and more.
- Information rich overviews and high quality graphical visualisations that facilitate complex system interpretation in a straightforward and consistent manner.

The Engineering Database module puts you in control to manage key technical datasets in a centralised, resilient and extensible way. It is designed to facilitate continuous improvement in both system capability and functionality.

Technology focused organisations often comprise a multitude of diverse engineering work-stream specialist teams. These groups generate large quantities of data, often so specific that it tends to be managed in

dedicated engineering spreadsheet calculators, MS Access tools or very bespoke SQL databases. Additionally, these types of solutions are commonly single ended, with perhaps just a single key technologist (who originally designed the solution) being the only one who can maintain and understand it.

The power of ILLUMINATOR is in its versatility and customisability. The system is designed to consume complex engineering data sets using custom built data structures, but also to provide the ability to model the complex data inter-relationships via software code. In the process, data will be cleansed, validated and imported into the ILLUMINATOR database so it can be managed in a more efficient and secure manner. Governance can be retained using group permissions, ensuring the original data owners stay in control whilst also facilitating access across the wider user group, to the latest and most up to date information.

Once the data is migrated and secured, additional ILLUMINATOR functionality plugins are available to extend the capability of the system and unlock the full potential of the data.

Typical benefits of this module include:

- Major reduction in costly transposition errors.
- Reduced time spent generating cumbersome calculations via spreadsheets with inconsistent results.
- Inherent validation rules built in – reliable data.

- Single source or 'view of the truth' from multiple merged dataset sources.
- Data visualisation facilities.
- Trend analytics.

Features

- Customisable engineering data structure and associated metadata
- Validation rules applied to the data to ensure how it is managed and recorded is regulated and consistent
- Complex technical calculations can be mapped into the database to assist with the management of large engineering datasets
- Automated system alerts when threshold limits and triggers are attained
- Engineering workflow and processes can be mapped into the system to ensure that core datasets, managed by different groups, can be shared easily with significantly reduced risk of transposition errors
- Core engineering design documents can be auto-generated from the system, creating real time, accurate and up to date documentation, removing the need to build and maintain complex spreadsheet calculation engine add-ons
- Everything can be generated from one place using one virtual dataset

Data entities available for use in this module:

- Engineering Systems
- Equipment Components



- Power Settings
- Configuration Settings
- Equipment Parameters
- Service Information
- Structures
- Environmental Settings

All data entities are customisable and extensible and can be used in conjunction with other modules from the ILLUMINATOR library, or custom modules as defined by you. Suggested modules for suitable integration with this module are: Asset Inventory, Project Governance, Knowledge Repository

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instant access to key information**

For more information contact us on
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