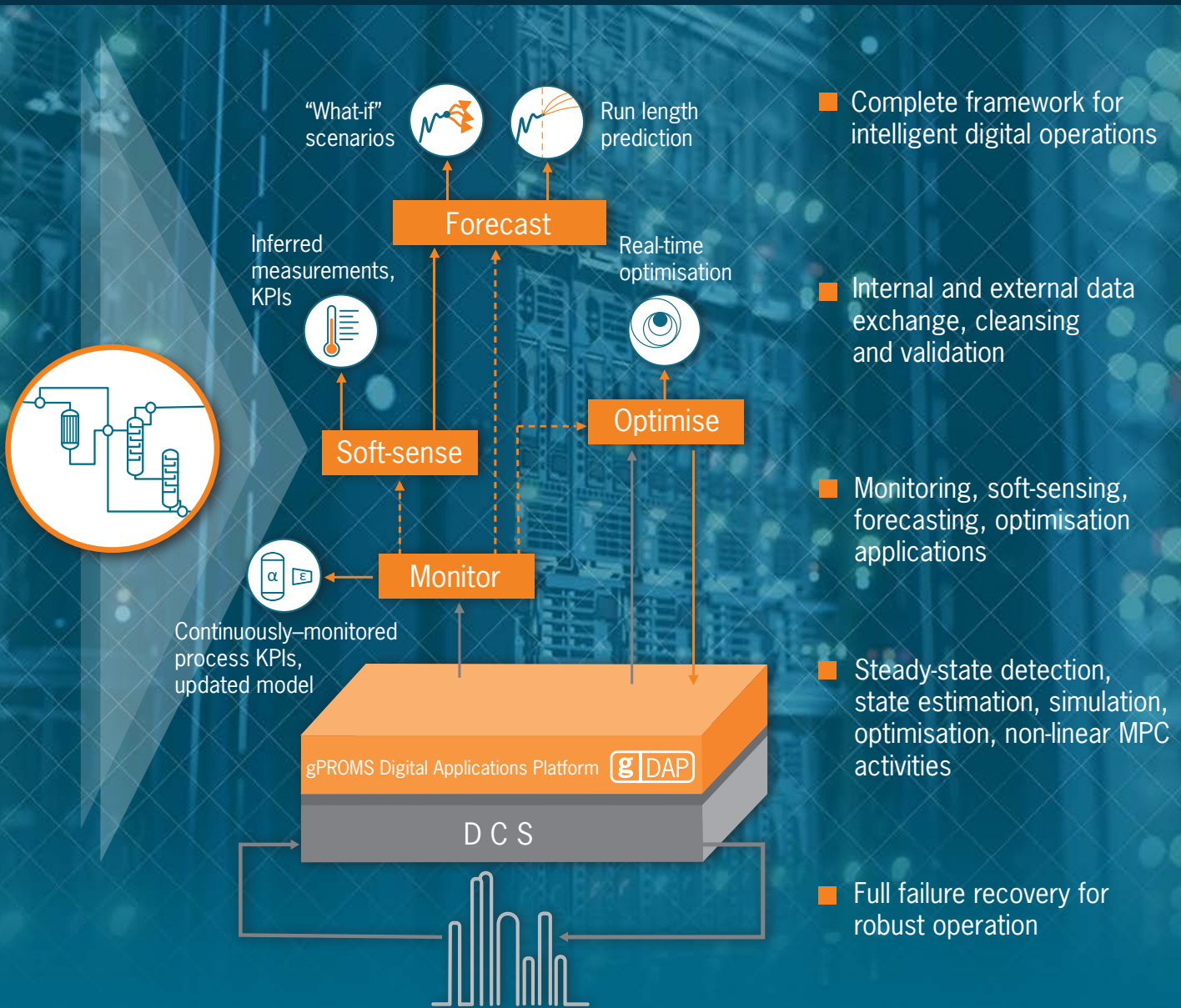




gPROMS DIGITAL APPLICATIONS PLATFORM

HIGH-FIDELITY PREDICTIVE PROCESS MODEL



The **gPROMS Digital Applications Platform**® (gDAP) is a robust, integrated software framework for the development and online deployment of complex model-based decision support systems as part of intelligent digital operations.

It takes care of all essential activities for online implementation and execution of models – management of external and internal data exchange, data cleansing and validation, and execution scheduling of the model based computations – within an integrated fail-safe framework.



The Advanced Process Modelling Company

psenterprise.com

Operations in UK, USA, UAE, Japan, Malaysia, Korea, China, Taiwan and Thailand.

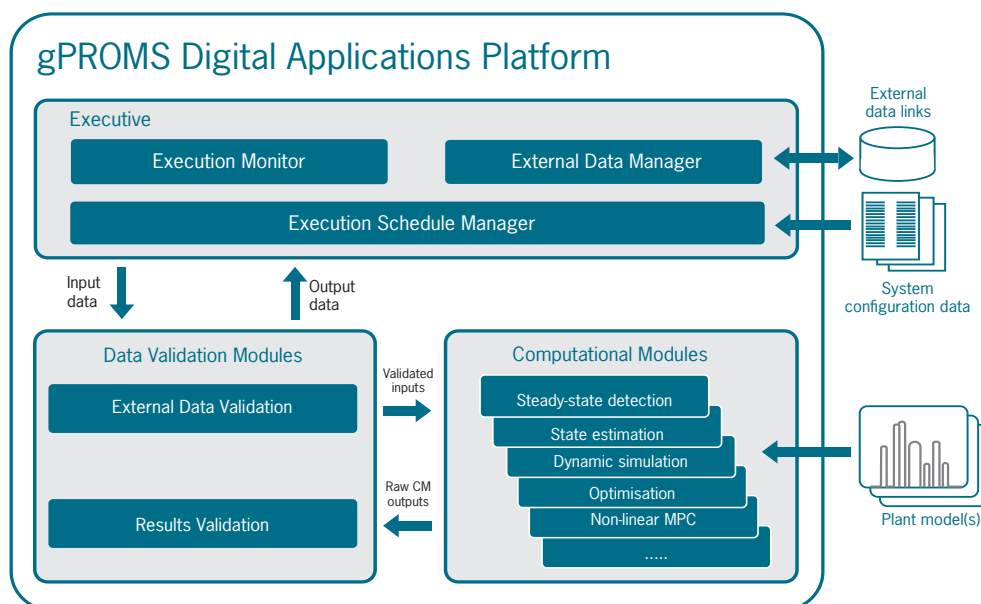
UK Head Office
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e: info@psenterprise.com

INTELLIGENT DIGITAL OPERATIONS



Integrated data management & computation

The gPROMS Digital Applications Platform (gDAP) takes care of all essential activities for online implementation and execution of high-fidelity models as part of operations decision support systems.



Core software components include:

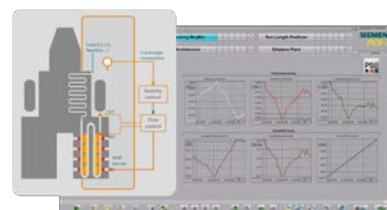
- **External Data Manager**, managing communication with the external data servers
- **Execution Schedule Manager**, managing the timing of the execution of the various calculations
- **Execution Monitor**, which ensures correct operation and takes corrective action if necessary
- **Data Validation Modules** that apply extensive validation to all data exchanged within the system and with external data servers, and handle any cases of missing or invalid data
- **Computational Modules (CMs)** that perform the requested applications described in the section above – for example steady-state detection, parameter estimation, optimisation, simulation.

Supply

The gPROMS Digital Applications Platform is supplied as the basis of all PSE's intelligent digital operations applications, including the gPROMS Operational Excellence Solutions.

The gDAP underpins the following gPROMS Operational Excellence Solutions

g|OLEFINS



Olefins monitoring, forecasting & optimisation suite

g|UTILITIES



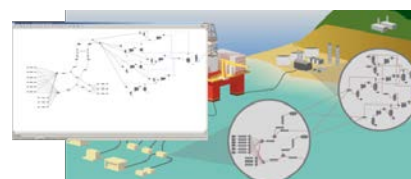
Site utilities optimiser

g|REFINERY



Online fouling management & optimisation

g|OILFIELD



Oil & gas field integrated production & facilities optimisation

Find out how PSE's intelligent digital operations applications can help you at

penterprise.com