



POIS / Data Historian

(Plant Operations Information Systems)

Aquidata Excel are acknowledged experts in the design, delivery and long term support of effective POIS Solutions. POIS Solutions link plant and business IT systems together to provide an integrated, asset wide, technological information infrastructure that can be used to manage your business in real-time.



PLANT



OPERATIONS



LOGISTICS



MANAGEMENT

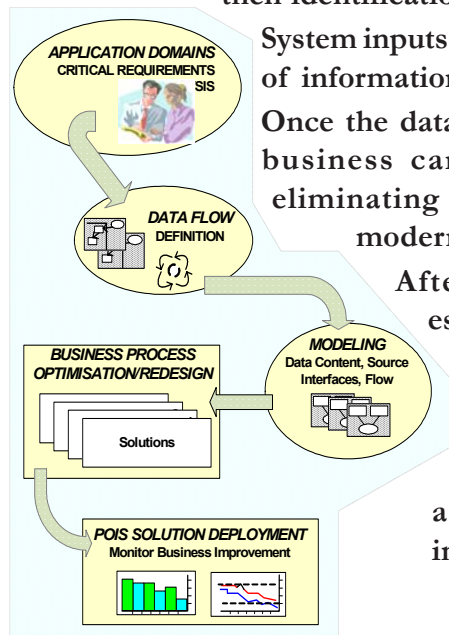


REGULATORY

Our Design Approach ...

Application of modern software design and system implementation techniques are used to create a POIS Solution that matches your business. Achieving a solid design is important because it will minimise inefficiency in the business and provide a firm foundation to develop the system further as the plant and process evolves in the future.

A definition of the system requirement is derived from the desired business outcomes rather than from any preconceived assumption of potential solutions. Usage of Critical Requirements Analysis (CRA) techniques encourages the use of metrics that can ultimately be used to confirm the system has achieved the required performance levels. Data flow is established by a variety of systematic information gathering techniques taking a top down approach, firstly identifying the critical success factors (often referred to as KPI) and then identification of the discrete lower level requirements.



System inputs and outputs are modelled to optimise data transfers, storage and utilisation of information to ensure a structured solution that will be scalable into the future.

Once the data model is established solutions for information delivery throughout the business can be defined with the aim of eliminating waste and making best use of modern technology.

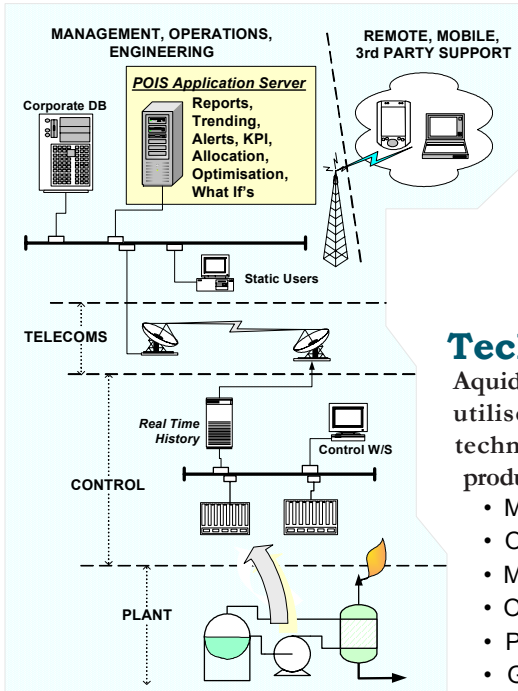
After deployment the metrics established in the initial phase can be utilised to evaluate the benefits gained by the POIS Solution and identify further areas for improvement.

Delivery of effective data gathering, information delivery and management tools to the international hydrocarbon production and processing industries through innovation and partnership with our customers is our business.



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Multi Discipline Engineering ...

Together with our partner companies Aquidata Excels' design and engineering staff comprise a formidable multi-skilled professional team with the expertise across all disciplines needed to deliver an effective POIS Solution:-

- Management
- Remote Support
- Plant
- Operations
- Information Technology
- Control
- Engineering
- Telecommunications

Technology ...

Aquidata Excel POIS Solutions utilise current, best of class technology from a variety of product vendors, these include:-

- Microsoft
- Oracle
- Matrikon
- OSIsoft
- Prode
- Genesis Oil & Gas

Benefits ...

Implementation of a POIS Solution will deliver numerous improved business efficiencies:-

- Accurate and timely reporting
- Less trial and error in solution selection
- Simplification of business management processes
- Common problem ownership

Applications ...

An effective POIS Solution will deliver data to a whole range of business management tools throughout an organisation. Typical examples of applications may include:-

- Asset Performance (KPI based)
- Optimisation
- Maintenance Management
- Sample Tracking
- Product Quality Alerts
- Machinery Monitoring
- Raw Material Utilisation
- Batch Tracking

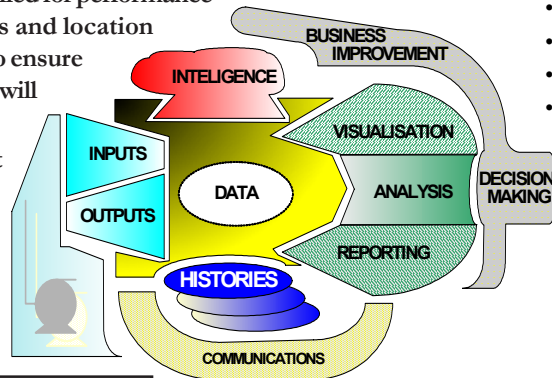
Deployment

Implementation of an Aquidata Excel POIS Solution involves much more than just installing a *data historian*.

The whole deployment is based upon careful analysis of the requirement and functionality of each element of the system from the Plant I/O through to the Business Improvement Objectives and key Decision Making requirements.

Interfaces to other systems are quantified for performance and suitability. Network capacities and location of data servers is carefully planned to ensure that when commissioned the system will deliver the performance required.

User interfaces for our current systems are being rolled out on web browser and .NET technology allowing them to be easily deployed and accessible throughout an organisation with minimal maintenance overhead.



Customer References ...

Aquidata Excel has delivered several POIS Solutions for:-

- Amerada Hess
- ConocoPhillips
- Talisman Energy
- Lundin Britain
- PetroCanada