



Brownfield Data and Documents and Beyond ?

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Why do we do what we do?

Technical Information as it should be

SaaS for Projects, Operations and Decommissioning

Increasing efficiency and decreasing costs on the process and energy industries



Projects



Operations



Decommissioning



Safety



Cost



Efficiency



Can you trust your digital asset?

- **Secure:** Cloud by design (on or off premise)
- **Aggregate:** Easy Import/Export (ETL)
- **Validate:** Data driven class library control
- **Publish:** Dynamic dashboards and live registers

Engineering Information as it should be!



www.datum360.com

What our Clients say



"We have been greatly impressed by the speed in which Datum360 deployed the system. Due to the simplicity and structured approach of PIM360, the team became self-sufficient in using it within less than two weeks of deployment, after a thorough knowledge transfer from the Datum360 team. "Our team can now spend more time reviewing the quality and completeness of engineering information, rather than wasting time manipulating the data, as they have done previously."
"Developments Project Information Manager"



"We have been impressed by the straightforward deployment, data interfacing and performance of the PIM360 system. When taken in combination with the professional expertise of Datum360 team, the results so far have been very encouraging."
"Information Management spokesperson"



"From the outset, Datum360 has supplied constant, high quality advice. They've understood our requirements and then, using their SaaS tools, have helped us specify, collect and assure the delivery of engineering information."
"Specialist Engineer"

Fast, simple access to engineering information for all sizes of project

Capability

- Handles data sets from mega projects with ease
- Project metrics continually available live with dynamic dashboards

Benefit

- Delivers change control and enables standardisation
- Captures and provides re-use of corporate knowledge
- Delivers fast shareable global reports

Easy In – Easy Out

Capability

- Ability to process data load at speed with immediate feedback
- Fast and flexible reporting that highlights data gaps and quality issues
- Full or incremental data export capability to enterprise systems such as SAP, Maximo, Bentley, Aveva, Comos and Intergraph

Benefit

- Creates clarity and transparency in a complex arena where confusion is frequently expensive and time consuming
- Provides a single set of approved information expectations for project and operations
- Improves consistency and repeatability

Management of Engineering Information Change (EIC)

Capability

- EIC groups scope of work together
- Comparison between proposed change and live data
- Maintains an audit trail of the reason for change and the actual change at attribute level

Benefit

- Builds confidence in the data
- Allows data managers to review pending change uploads prior to publishing the live database
- Allows data values to be referenced against Business Processes via the EIC number

Data driven configuration

Capability

- Fast, seamless loading of project or facility specific class library snapshots from CLS360
- Provides flexible basis for data governance framework

Benefit

- Provides comprehensive and flexible approach
- Removes requirement for expensive customisation
- Allows standardisation on corporate class libraries

Optional register driven approach

Capability

- Registers, specified in CLS360 provide consistent presentation of conventional register, index or schedule views onto data sets

Benefit

- Provides well understood mechanism to support engineers making the transition from document centric to data centric information management

Easy to learn

Capability

- Intuitive and clean graphical interface facilitates ease of use
- Uses social media type mechanisms

Benefit

- Speeds up adoption by users and encourages deeper engagement with the data
- Builds confidence and trust

Interoperability built in

Capability

- Easy in, easy out for engineering information via a range of mechanisms
- An open environment for integration
- Links can be built to both corporate and global design and enterprise systems

Benefit

- Removes need for consultancy and customised developments to get special reports or data exchange working

Globally available, digitally secure, Software as a Service (SaaS)

Capability

- One click deployment on the internet
- Conforms to conventional digital security requirements
- SaaS model of monthly subscription allows flexible utilization of software

Benefit

- Reduces deployment times to minutes and hours not weeks and months
- Reduces cost of deployment and IT infrastructure to zero
- Provides secure, managed access to all project participants
- No capital investment is needed and infrastructure costs are minimised

Information availability



When does green become brown

Most Assets are Brown

High potential for information improvement

Requires a strong route map

Is this the handover tractor ?





Make sure you ask for what you need, know what is missing !

(RDL or Class Library)



ISO15926

Captial
Facilities
Information
HandOver
Specification
CFIHOS

Engineering Data Preparation

Standards

Tag numbering specification
Class Library or RDL
Document numbering

Inconsistencies
Errors
Gaps
Reports

Mapping Activities

Tag codes to RDL Classes
Document types to RDL Classes
Data Source attribute names to
RDL attribute names



Configuration
of PIM360 in
minutes



Trusted data source.
Supersede silos.
Information point of entry

Data Sources

Inspection Data
SAP
Design tools
Documents & Drawings
Sources from local drives

Engineering Information Change
EIC functionality
Control, Compare, Publish



Data and Document, consolidation.

- **Data Source 1d Data Sources**
- **Data Source Drawings and Documents Native**
- **Data Source Drawings and Documents in PDF format**
- **Data Source consists of drawings and documents that are not searchable.**
- **Document Numbers and Metadata**
- **Tag to Document Associations**

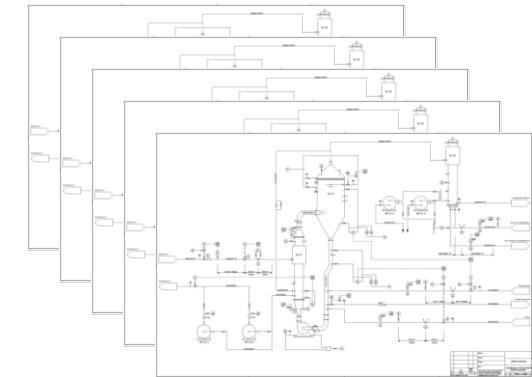
Integrating data and documents



Database of Tag and
Document number
Patterns



Model and Drawing
metadata and content
search



CLASS NAME

Commissioning

EIC STATUS








Awaiting Approval

DESCRIPTION

Tank farm refurb - TK-1

 Save Publish

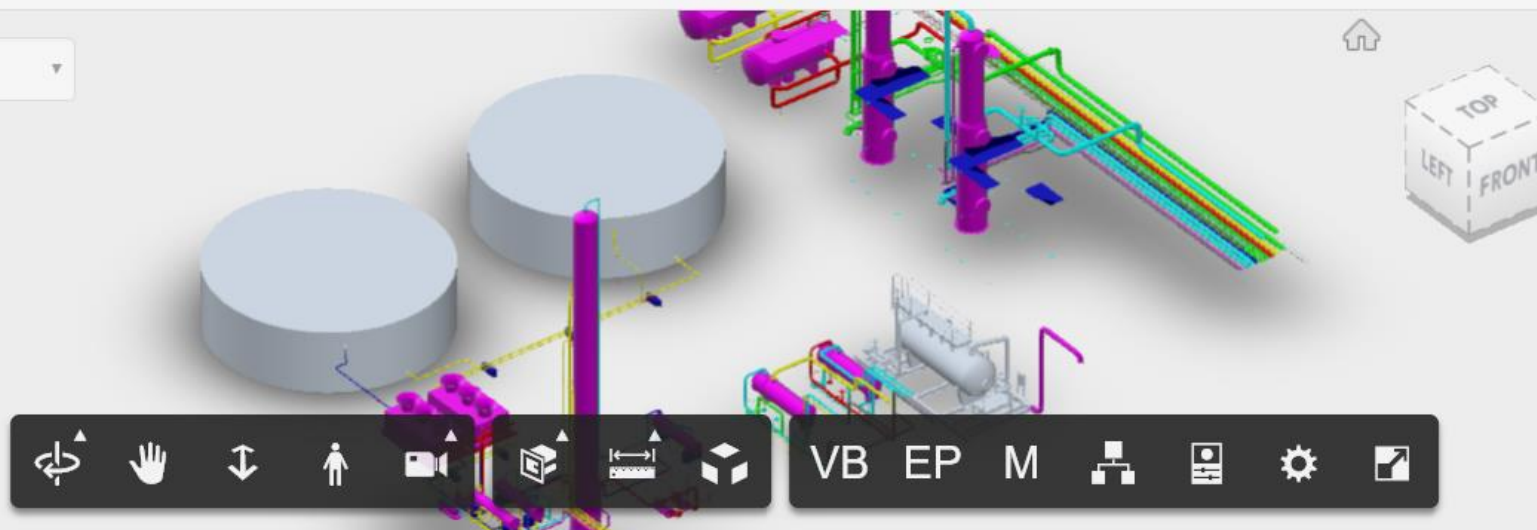
Tagged Items on EIC

TAG NUMBER	CLASS NAME	ASSET	SYST
 MCC-86-RXQ-920	TRANSMITTER	MCC	86
 TK-1004	TANK	MCC	86
 TK-1003	TANK	MCC	86
E-1001	HEAT EXCHANGER	MCC	86
E-1002	HEAT EXCHANGER	MCC	86
 P-1003	PUMP	MCC	86
 P-1004	PUMP	MCC	86
 4"-CS300-P-1038	DISCOVERED TAGGE	MCC	86
 N-1	DISCOVERED TAGGE	MCC	86
 HA-103	DISCOVERED TAGGE	MCC	86
 4"-CS300-P-1039	DISCOVERED TAGGE	MCC	86
 4"-CS300-P-1040	DISCOVERED TAGGE	MCC	86
 HA-107	DISCOVERED TAGGE	MCC	86
 3"-CS300-P-1042	DISCOVERED TAGGE	MCC	86

Displaying 1 to 15 of 60 items

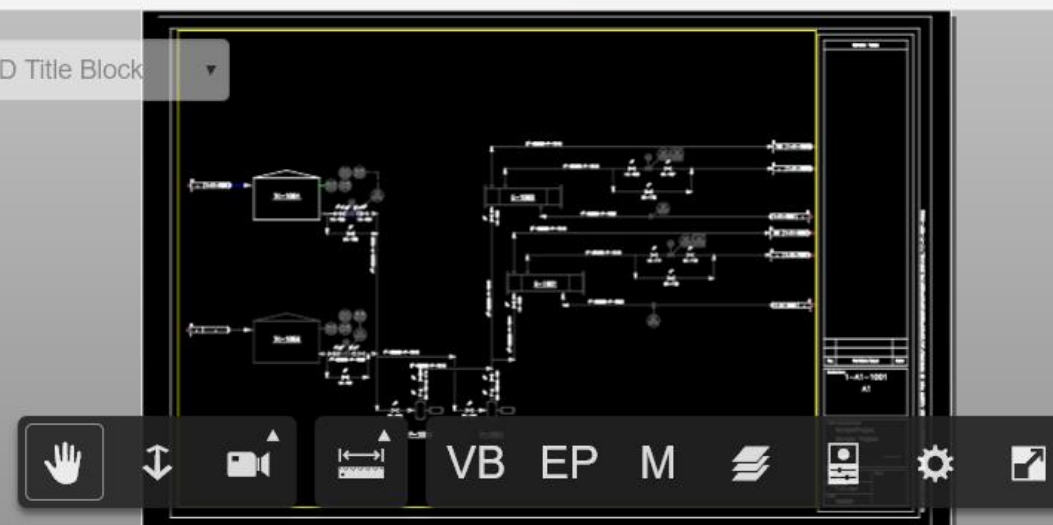
MCC-3D-1001

3D View



MCC-PID-1001

1-A1-1001-v2-PID ANSI D Title Block





Questions please