

# iPoint Data Management Solution



## Industry Challenges



**Data is scattered around silos**

- No single location for all wellbore data
- Data and interpretations are scattered throughout organisations in form of legacy corporate DBs, application files, flat files, etc.
- No interconnection of various data repositories



**Data is difficult to access**

- Not easily searchable
- Manual effort by specialised end-users required to locate and understand what's there
- Distribution of data across organisation is a convoluted process



**Data is under-utilised**

- General lack of awareness about what data is available within organisation
- Provenance / confidence in data is unknown and thus unreliable
- Geoscientists are using key interpretation / analysis time playing 'data detective'

## Benefits



**Integrated**

All wellbore data in a single location

- Save time locating data by having everything in one central location
- Connect to the databases you use and replace the ones you don't
- Seamlessly distribute data across organisation with a variety of adaptors



**Accessible**

Quickly find the data you need

- Empower end-users to quickly find the data they're looking for
- Leverage corporate knowledge for users everywhere using web-enabled front end
- Ensure the right data is available to the right people with integrated security tools

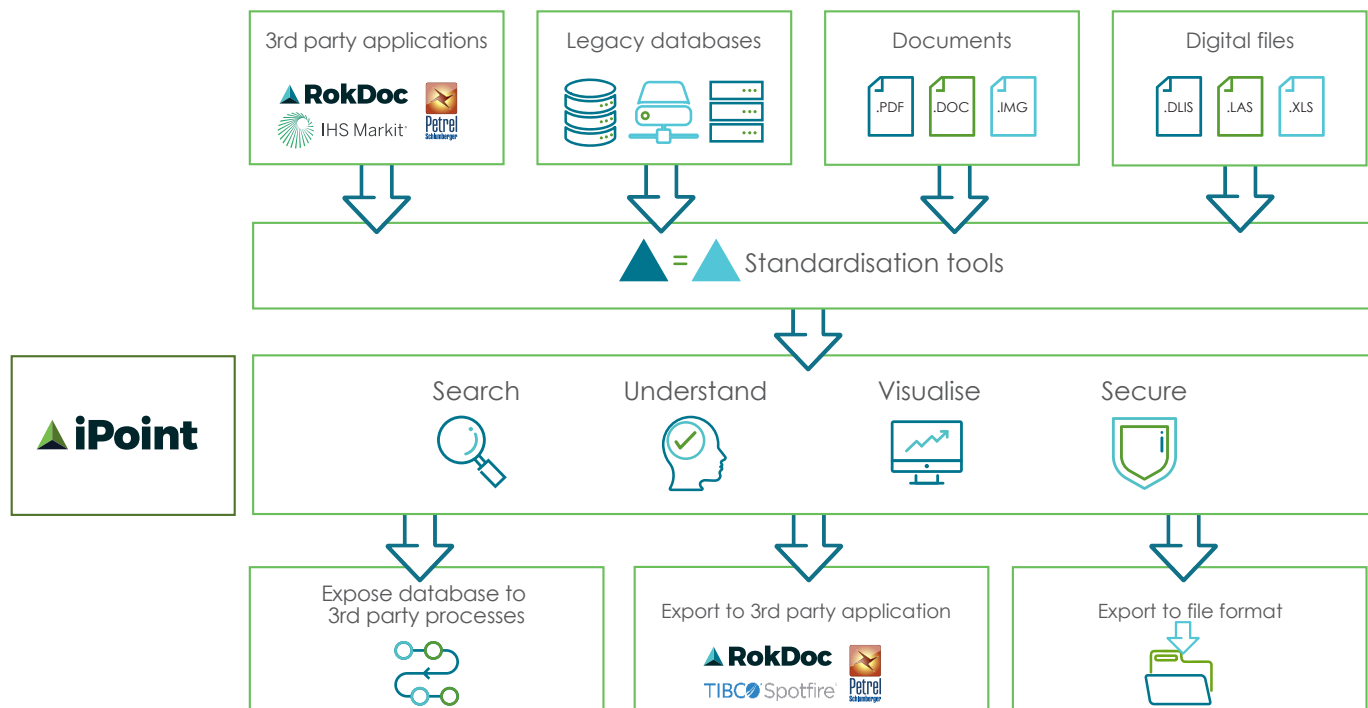


**Intelligent**

Make decisions with confidence

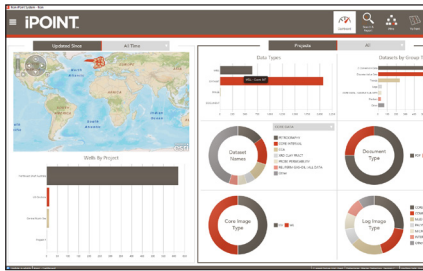
- Provide users with confidence in their data with in-built tools
- Effectively manage data across organisation
- Fully utilise all wellbore data in one place regardless of source, vendor, or discipline

## Digital Aggregation and Analysis

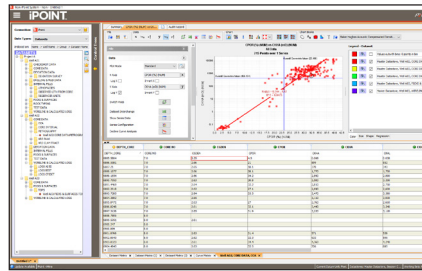


## Technical Features

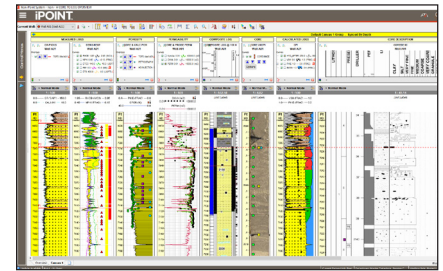
- Batch load and aggregate data and metadata from a large variety of input sources
- Intelligent tools that enable geospatial and geoscience based searching across entire database
- Flexible structure allows all geoscience wellbore data to be stored in a single location
- Web-enabled browser saves time and provides immediate access and intuitive search tools to your entire organisation
- Easy to use, intelligent and advanced auto-loaders make data population a simple process
- Reduce cost and IT overhead by migrating legacy databases into a single, comprehensive storage, visualisation and knowledge management solution
- Improve decision making through data aggregation, implementation of corporate standards and delivery to end-users for business analytics and machine learning software
- Gain new insights into data by displaying depth registered core and log images alongside digital data, rasters and embedded cross-plots, from micro to macro scale
- iViz brings iPoint's unique multi-well and multi-scale visualisation platform directly into a browser; take the power and flexibility of iPoint anywhere you like with iPointWeb
- Re-sample, interpolate, shift and run multi-well merging of data prior to export, providing complete control of both the format and data contained in the written file
- Add the value of iPoint to data sitting in other corporate datastores with smart adaptive technology



Dashboard provides high level overview of all data within the iPoint system including an ArcGIS map



Dataset explorer enables granular review of numerical and textual curves with built-in customisable cross-plots



Gain insights into data by displaying a variety of digital curves, images, embedded cross-plots, etc. from micro to macro scale

## Supported Digital Data

- Well Headers
- Raw Well Logs
- Processed Well Logs
- Composite Well Logs
- Interpreted Well Logs
- Formation Tops & Markers
- Deviation Surveys
- Checkshots
- Depth Trends
- Wavelets
- Conventional Core
- Core Logs
- Fluid Geochemistry
- Thin Section
- SEM
- XRD
- CT Scan
- Mud Logs
- Core Descriptions
- PLT
- DST
- PVT
- Formation Pressure
- Pressure Build Up Profiles
- Pore Pressure Prediction
- Drilling Parameters
- Gas Chromatography
- Casing Points
- Bit Runs
- Production Data
- + more

## Supported Digital Images

- White Light Core
- Ultra Violet Core
- Hyper Spectral Core
- CT Core Scan
- Composite Log
- Mud log
- Cement Bond Logs
- Petrophysical CPI
- Cuttings Sample Photos
- Lithology Interpretation
- SCAL Chart
- Image Logs
- DST Chart
- Mineralogy Logs
- Facies Rock Type
- Thin Section Micrograph
- Bit Condition Summary
- SEM Micrograph
- QEM Scans
- Core Sample Photos
- + more

## Supported Digital Images

- LAS
- LIS
- DLIS
- ASCII
- XLS
- JPEG
- TIFF
- DOC
- PDF
- PPT
- + more

Visit [www.ikonscience.com](http://www.ikonscience.com) or email [info@ikonscience.com](mailto:info@ikonscience.com) to discover more and request a demo.

## System Requirements

### CLIENT

Operating System: **Windows 7, 8 & 10 - 64bit**  
 System Memory: **16 GB - recommended** (4 GB - minimum)  
 Free Disk Space: **650 MB - local** (installation only)  
 Screen Resolution: **1920 x 1080 dual screen - (recommended)**  
 1280 x 768 – minimum

### DATABASE SERVER

iPoint supports Oracle and SQL Server database servers:  
**Oracle – 11g & 12c, SQL Server – 2008 - 2017**

### NETWORK FILE STORAGE

Any network file storage provider may be used to host iPoint's shared filestore<sup>1</sup> and iPoint executables for network based installations

Access from client to this location can be via UNC path or commonly mapped drive for all users

Free Disk Space: 650 MB - network installation of executables

Size recommendation for filestore<sup>1</sup> will be made depending on project size and data density



\*Mark of Schlumberger