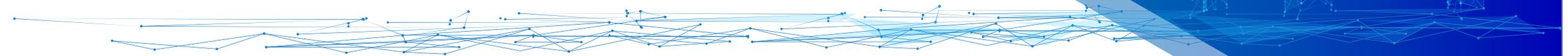


# Upstream **oil & gas** business process observability solution

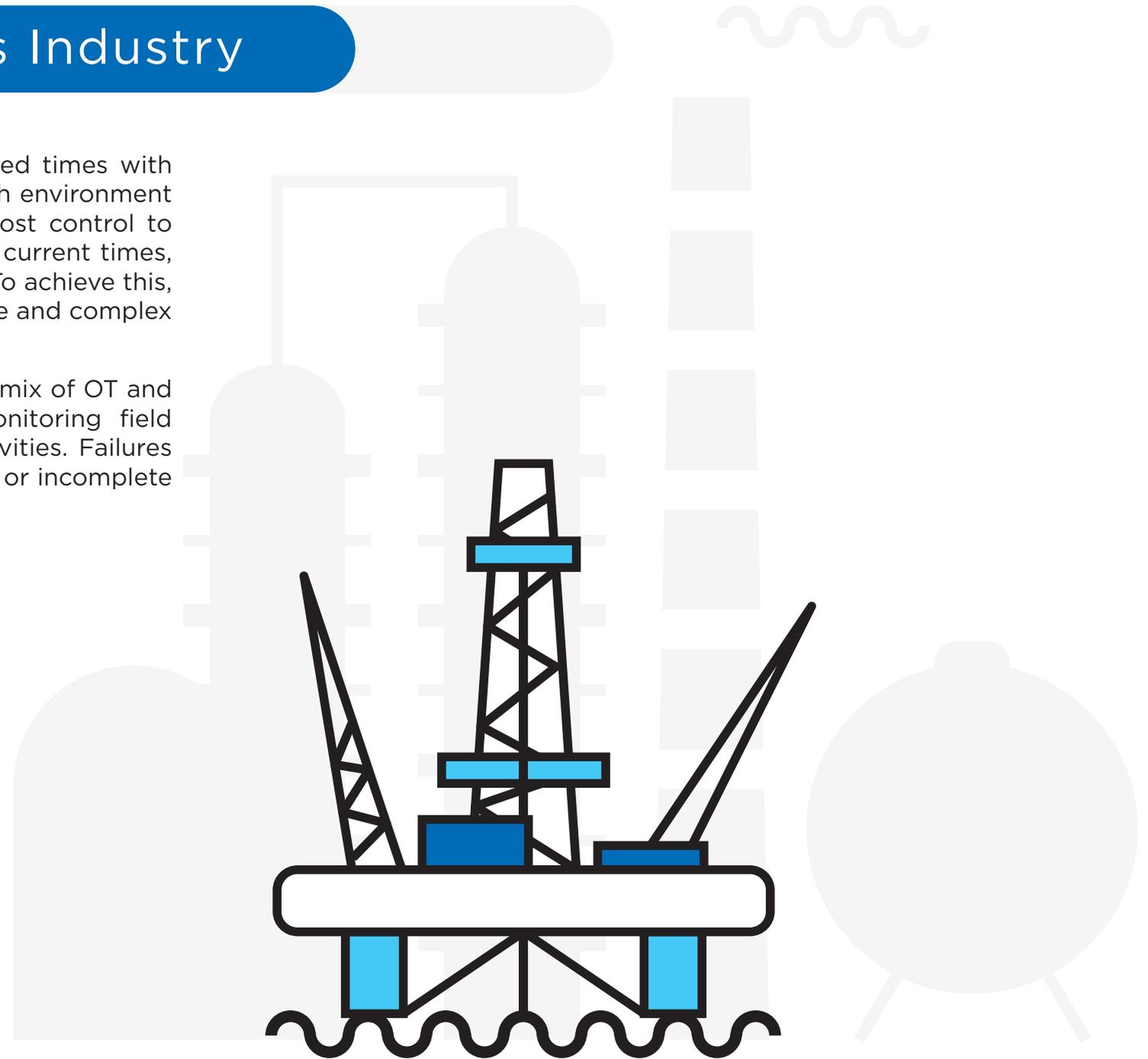
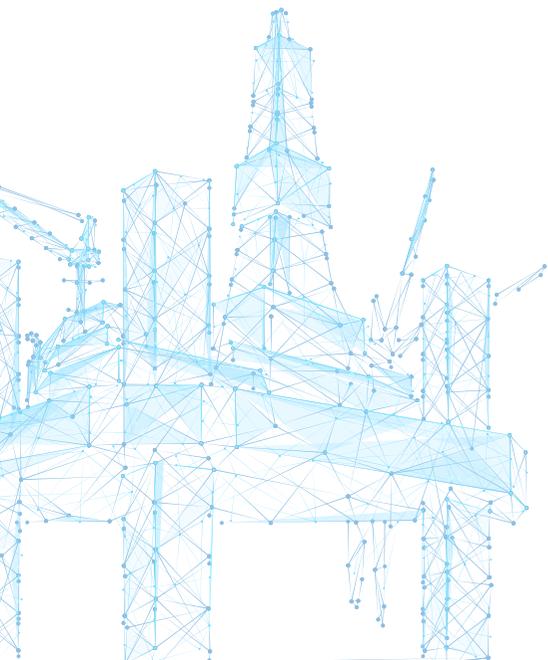
Improving reliability for oil & gas industry



# Understanding the oil and gas Industry

The Oil and Gas (O&G) industry is going through unprecedented times with plummeting demand and low oil and gas prices, creating a tough environment for operators. Organizations are renewing their emphasis on cost control to operate profitably. While tighter cost controls are necessities of current times, reliability and safety of the operations cannot be compromised. To achieve this, O&G businesses need to actively monitor and observe the diverse and complex technology landscape.

O&G industry has a large, complex technology landscape with a mix of OT and IT technologies. Data travels from different OT systems monitoring field activities to various IT systems responsible for commercial activities. Failures between different handshakes of these systems leads to delayed or incomplete information that impacts corporate and business decisions.

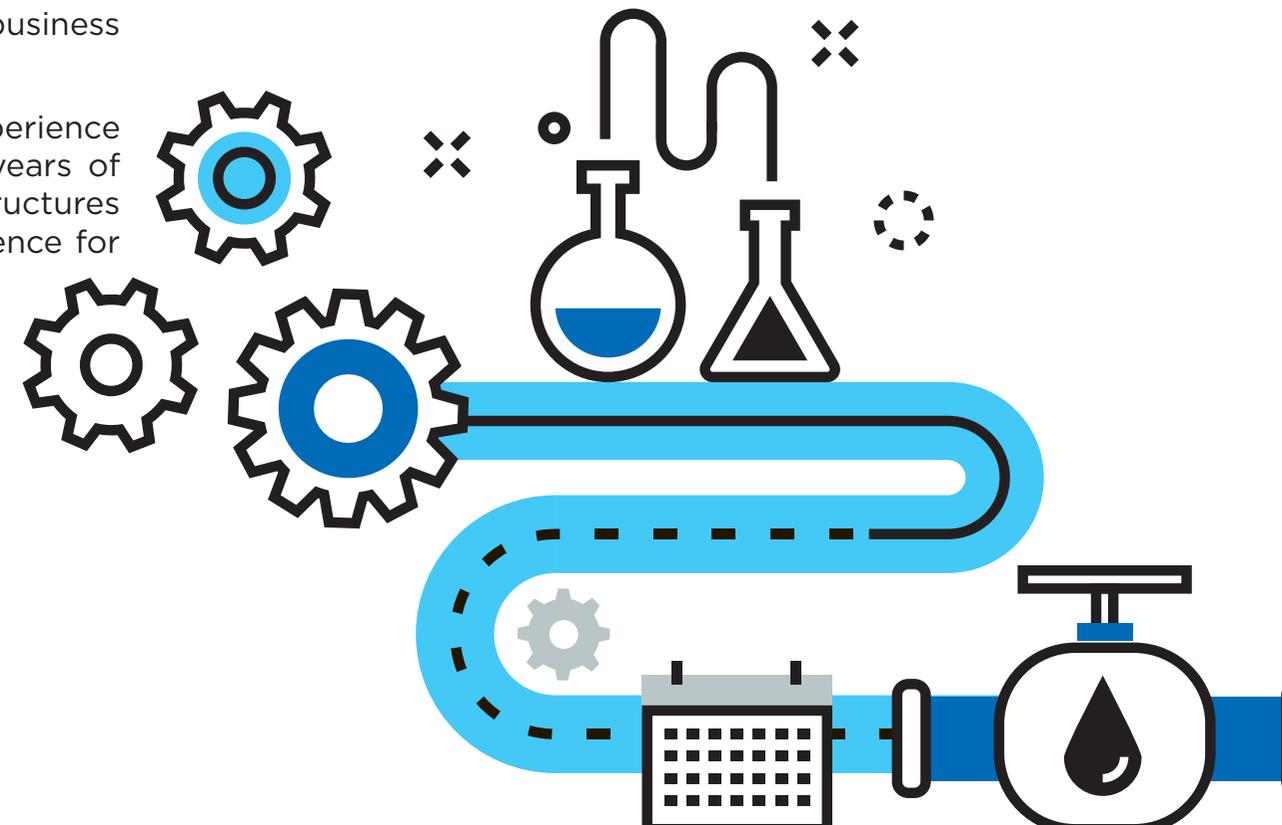


## Value of DRYiCE™ iControl

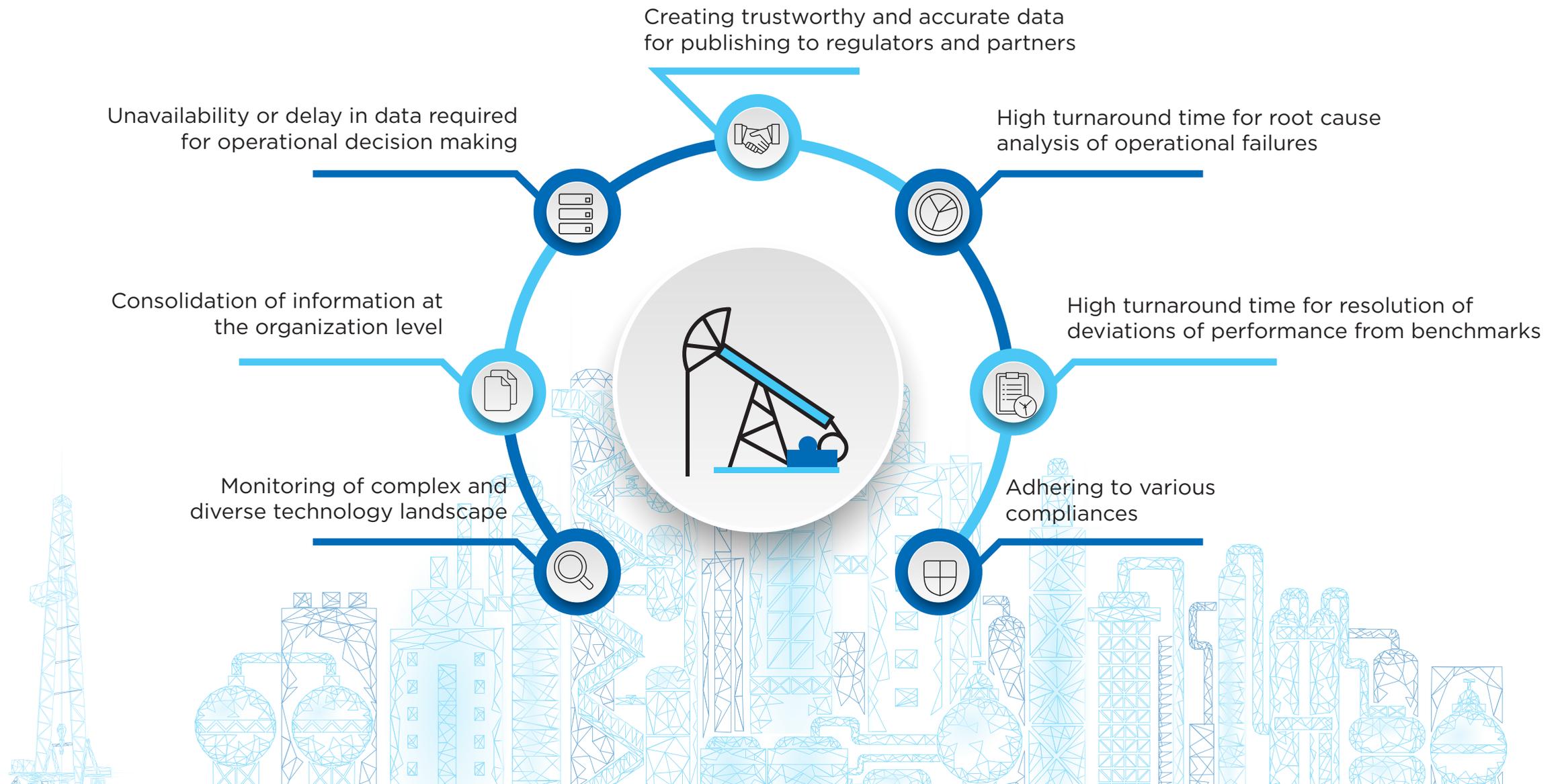
DRYiCE iControl (iControl) is an O&G business process observability solution that provides real-time visualization of the full set of business processes, their integration, and associated systems providing IT and Operations a granular view into process capability against key performance indicators and defined service level agreements. It regulates the health of business processes with IT data, predicts and analyzes the business impact of any modifications made to the process, and identifies potential process optimization areas.

iControl helps in identifying dependencies and failure points of data handoffs between different systems, provides a near real-time business process observability system, creates alerts, and notifications leading to a substantial reduction in issue resolution time. This improves the availability and reliability of critical OT and IT systems supporting business operations.

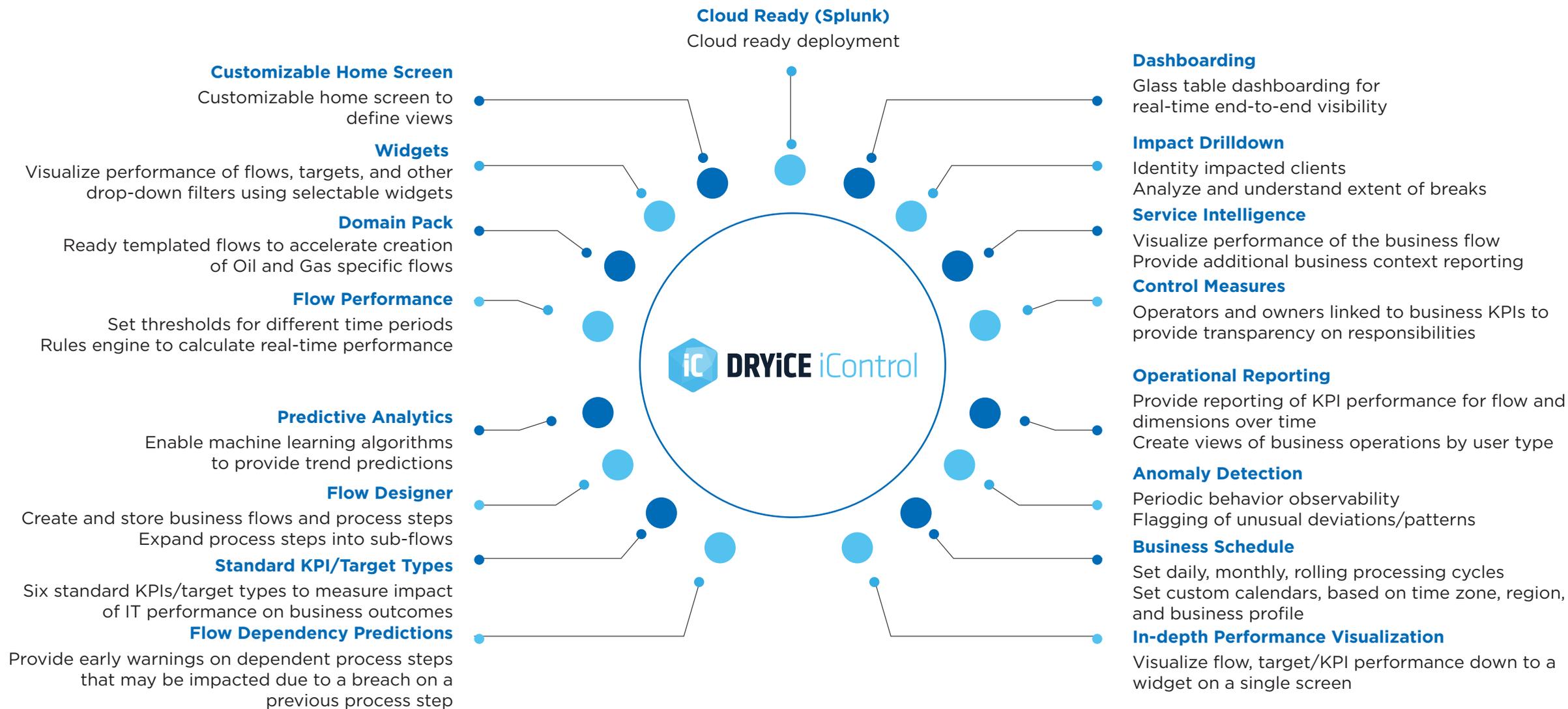
iControl is embedded with industry process intelligence and is backed by HCL's experience in delivering business process services to O&G enterprises. We have funneled years of industry expertise gained while managing some of the industry's largest IT infrastructures into creating a product that provides an end-to-end view and actionable intelligence for forecasting and resolving possible risks.



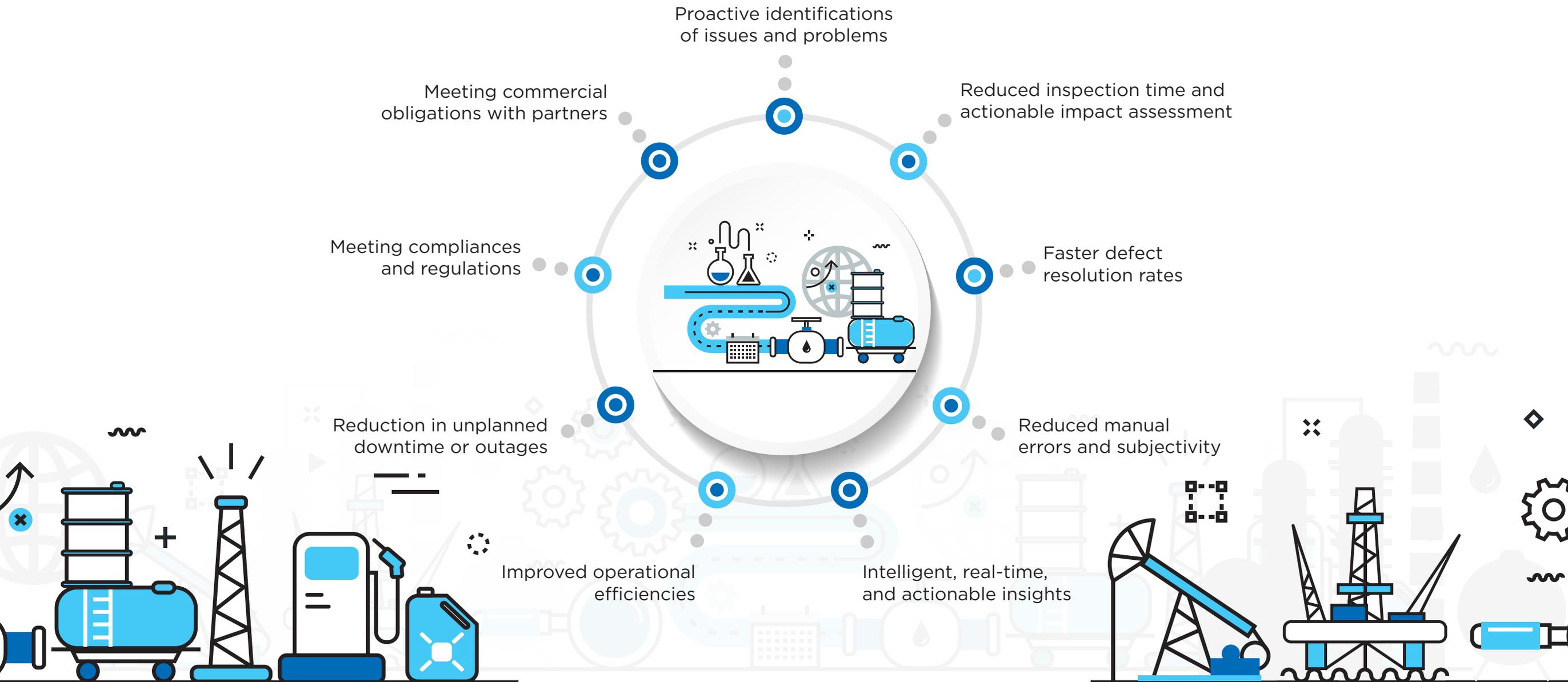
# Key industry challenges addressed



# Key features



# Key benefits



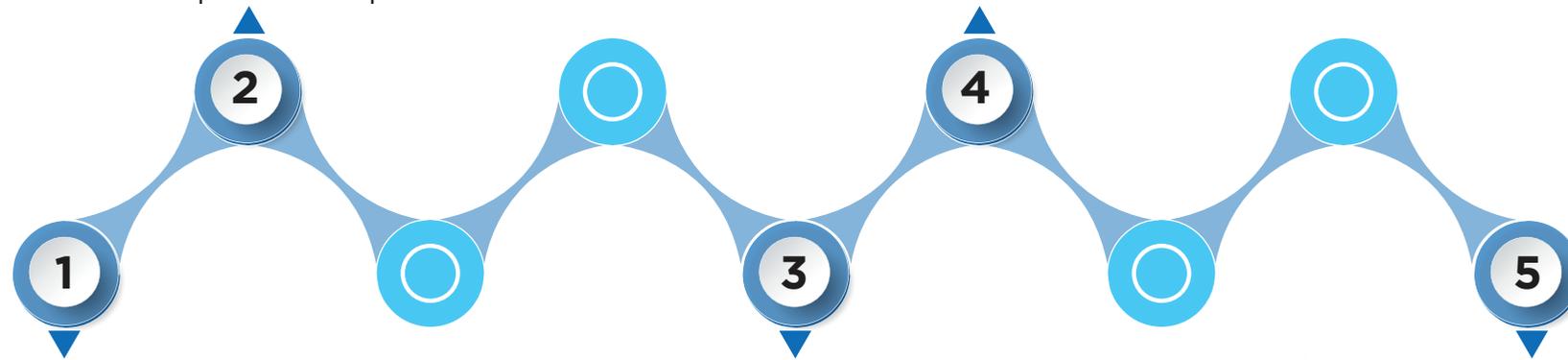
# iControl methodology

Target Ref	Target Type	Description
EHVP-0001	Count	Lorem ipsum dolor sit amet, consectetur...
EHVP-0002	Count	Lorem ipsum dolor sit amet, consectetur...
EHVP-0003	Count	Lorem ipsum dolor sit amet, consectetur...
EHVP-0004	Count	Lorem ipsum dolor sit amet, consectetur...
EHVP-0005	Cut-off	Lorem ipsum dolor sit amet, consectetur...
EHVP-0006	Count	Lorem ipsum dolor sit amet, consectetur...
EHVP-0007	Count	Lorem ipsum dolor sit amet, consectetur...
EHVP-0008	Duration	Lorem ipsum dolor sit amet, consectetur...
EHVP-0009	Count	Lorem ipsum dolor sit amet, consectetur...

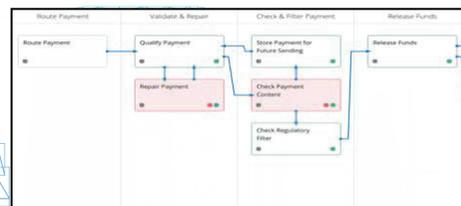
Define the controls & metric measures at each process step



Stream the data into iControl



Map the process to define the Business outcome



Define "what data will be mined from systems?" to establish the real metric performance

Target Ref	Target Type	Description	Target Value	Current Value	Status
EHVP-0001	Count	Lorem ipsum dolor sit amet, consectetur...	200.0	200.0	OK
EHVP-0002	Count	Lorem ipsum dolor sit amet, consectetur...	50.0	50.0	OK
EHVP-0003	Count	Lorem ipsum dolor sit amet, consectetur...	10.0	10.0	OK
EHVP-0004	Count	Lorem ipsum dolor sit amet, consectetur...	10.0	10.0	OK
EHVP-0005	Cut-off	Lorem ipsum dolor sit amet, consectetur...	2023-01-01 00:00:00	2023-01-01 00:00:00	OK
EHVP-0006	Count	Lorem ipsum dolor sit amet, consectetur...	200.0	200.0	OK
EHVP-0007	Count	Lorem ipsum dolor sit amet, consectetur...	200.0	200.0	OK
EHVP-0008	Duration	Lorem ipsum dolor sit amet, consectetur...	200.0	200.0	OK
EHVP-0009	Count	Lorem ipsum dolor sit amet, consectetur...	200.0	200.0	OK



Ensuring solution delivers the value



# Industry use cases

## Delay in data ingestion/upload for wells

### Delay in data ingestion iControl observes

Cut-off time for well data capture through metering applications

Cut-off time for well data capture manually through excel sheets, where historian integration is not available

## Data validation errors

### Operator needs to know iControl displays

Missing data parameters

Null/garbage value for parameters

Tolerance level breach for certain parameters

## Allocation abnormalities

### Allocation needs to predict iControl learns

Failure to receive data from all the sources

Allocation failures

Validation failures

Historical analysis

## Reporting failures

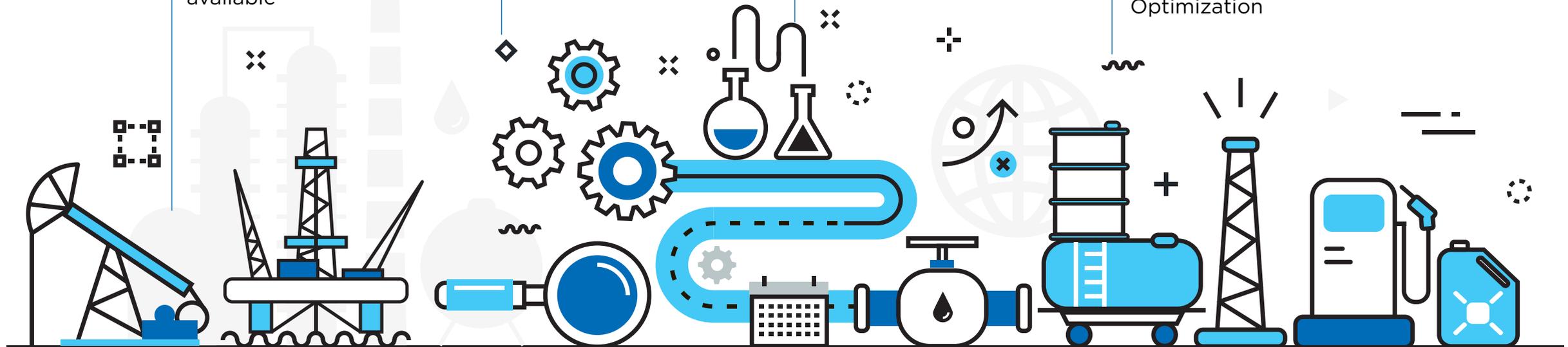
### Operational View iControl presents

Delays in creating reports

Report creation failures

Report publishing failures

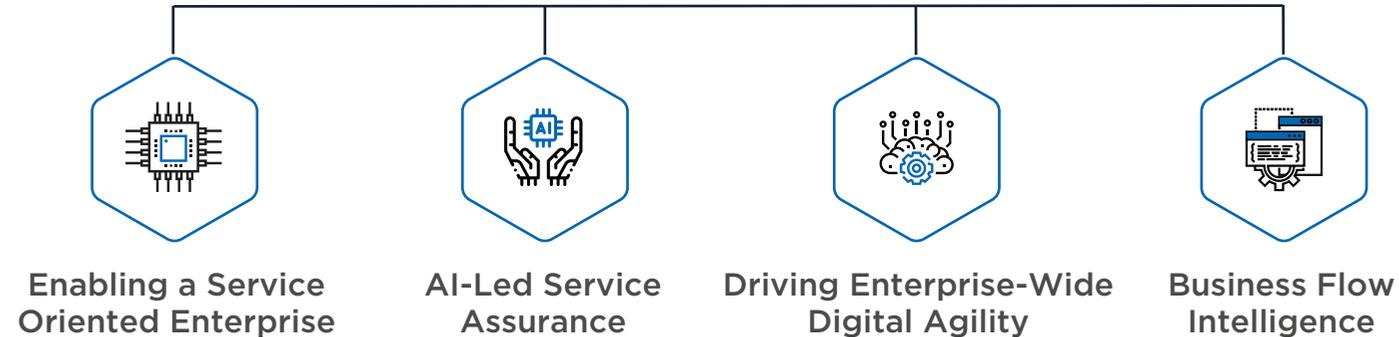
Failure of data transfer to subsequent processes - PRA, Forecasting, Optimization



# About DRYiCE Software

DRYiCE Software is a division of HCL Technologies focused on building industry-leading software products for transforming and simplifying IT and business operations by leveraging AI and cloud.

## Our vision focuses on:



Want to know more?  
Visit our website at [dryice.ai](https://dryice.ai) or  
write to us at [dryicemarketing@hcl.com](mailto:dryicemarketing@hcl.com)