

# AI-DRIVEN INSIGHTS AS A SERVICE



EXCLUSIVE TAILORED SOLUTIONS FOR **OIL & GAS INDUSTRY**



PIAS

**Process**  
*Insight as a Service*



SIAS

**System**  
*Insight as a Service*



VIAS

**Vision**  
*Insight as a Service*

## PROCESS INSIGHT AS A SERVICE

Drilling Process	Lack of granular insights into rig state activities
Drilling Process	Operators missing anomalies due to data explosion thus leading to high NPT
Producing Fields	Loss in production due to high RVP
Producing Fields	Safety and environmental non compliance due to high RVP
Producing Fields	Production loss due to manual proving of meters

## SYSTEM INSIGHT AS A SERVICE

Gas Gathering Network	Difficulty understanding the impact of an asset (compressor/well pads) shutdown on the network
Gas Gathering Network	Difficulty understanding the impact of operational changes like well pad flow rate and temperature on the network
Pipelines	Lack of visibility on pipelines which needs pigging action
Producing Field	Lack of visibility on the wells experiencing declining production
Gas Gathering Network	Lack of intergated network view of the live operations
Producing Field	Production process inefficiency due to lack of visibility on well health and performance
Gas Gathering Network	Slow and inaccurate operational decision owing to low fidelity of first principal based simulation models
Gas Gathering Network	Non collaborative operational decision making owing existing simulation tool constraints
Producing Field	Filed engineer opting for long routes for well surveillance in absence of route optimization tool

## VISION INSIGHT AS A SERVICE

Across the Value Chain	Security and surveillance compliance- intrusion, zone crossing, etc.
Across the Value Chain	HSE compliance violation detection
Across the Value Chain	User access control using facial recognition
Gas Gathering Network	Maintenance inspection to detect leakages and spillage
Offshore and Subsea	Defect detection using x-ray images
Across the Value Chain	Equipment inspection to detect texture anomalies- corrosion, pitting, scratch, etc.