

December 5-6, 2018

Norris Conference Centers -  
City Centre, Houston, Texas  
[ShaleTechConference.com](http://ShaleTechConference.com)

# SHALETECH™



# Water Management for Shale Wells

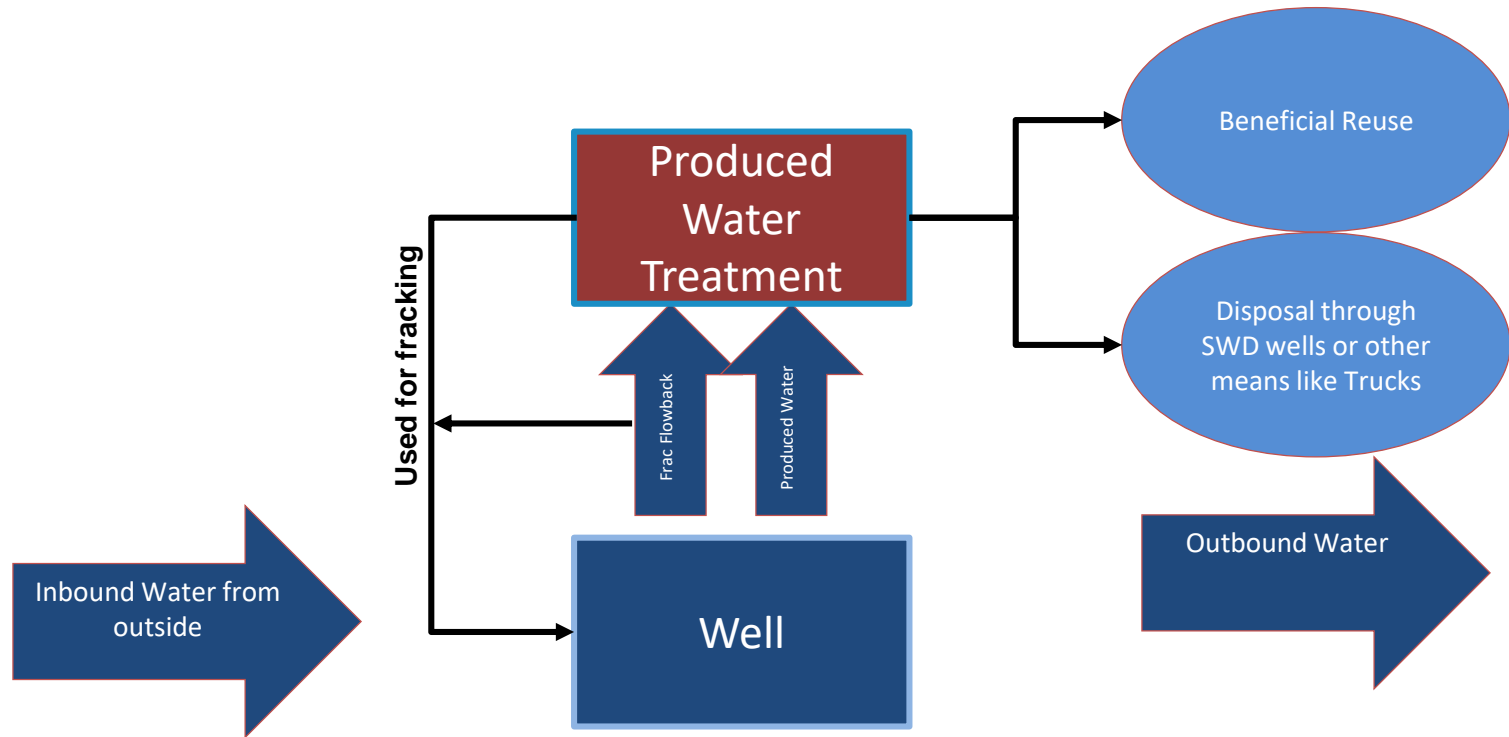
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Partner

Wipro

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# The Water Management Process

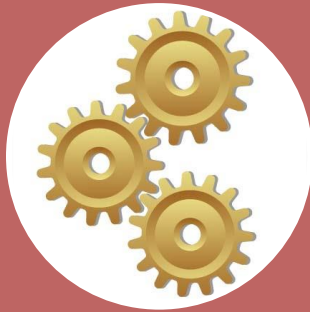


# Solution Features



## Integrated Data Platform

- Automatic data import feature from different SoRs, Spreadsheets, O: Drives etc..
- Consolidated database providing accurate water data.
- Easily accessible via internet/intranet through proper authentication.
- Positioned on the Cloud or in premise as needed



## Process Automation

- Remote monitoring of devices.
- Calibrated Software for errors due to water evaporation, percolation etc..
- 3<sup>rd</sup> party Seamless interface
- Interactive workflows online for accuracy and efficiencies



## Optimizer

- Optimizer for best results
- Truck Management
- Inventory Management/ Demand fulfilment planning
- Advance forecasting for cost reduction



## Water Regulatory Reporting

- Real time recording of data for complete transparency and audit trails.
- Reporting in real time, customized reports or periodic frequencies as needed
- Advanced alerts for best outputs.



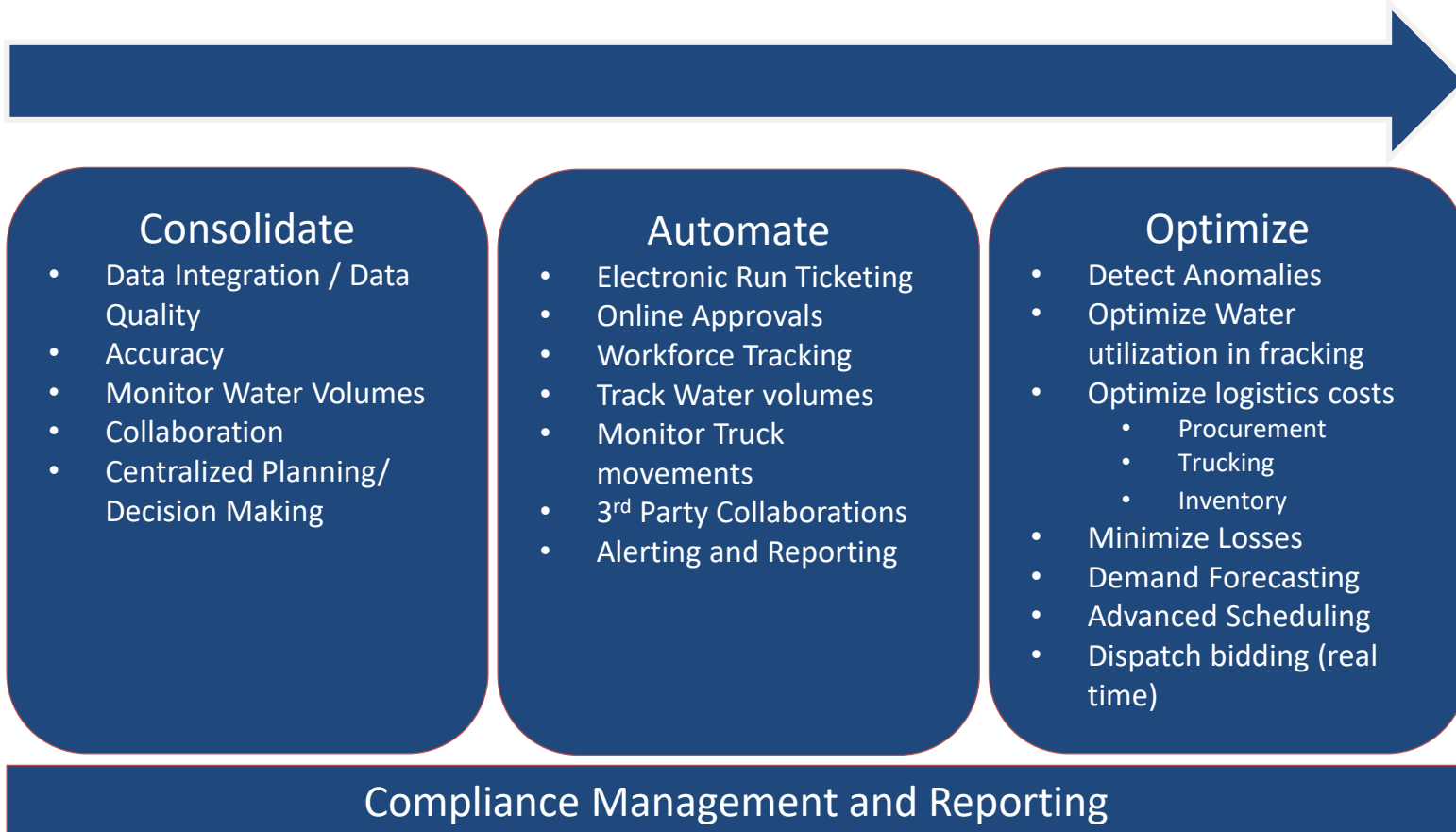
## Water Logistics Tracking

- Map based tracking using GIS enabled information
- Real time view of field with trucks
- Real time updates on volumes and availability in every location
- Online interactive platform for water movement, selling and buying.

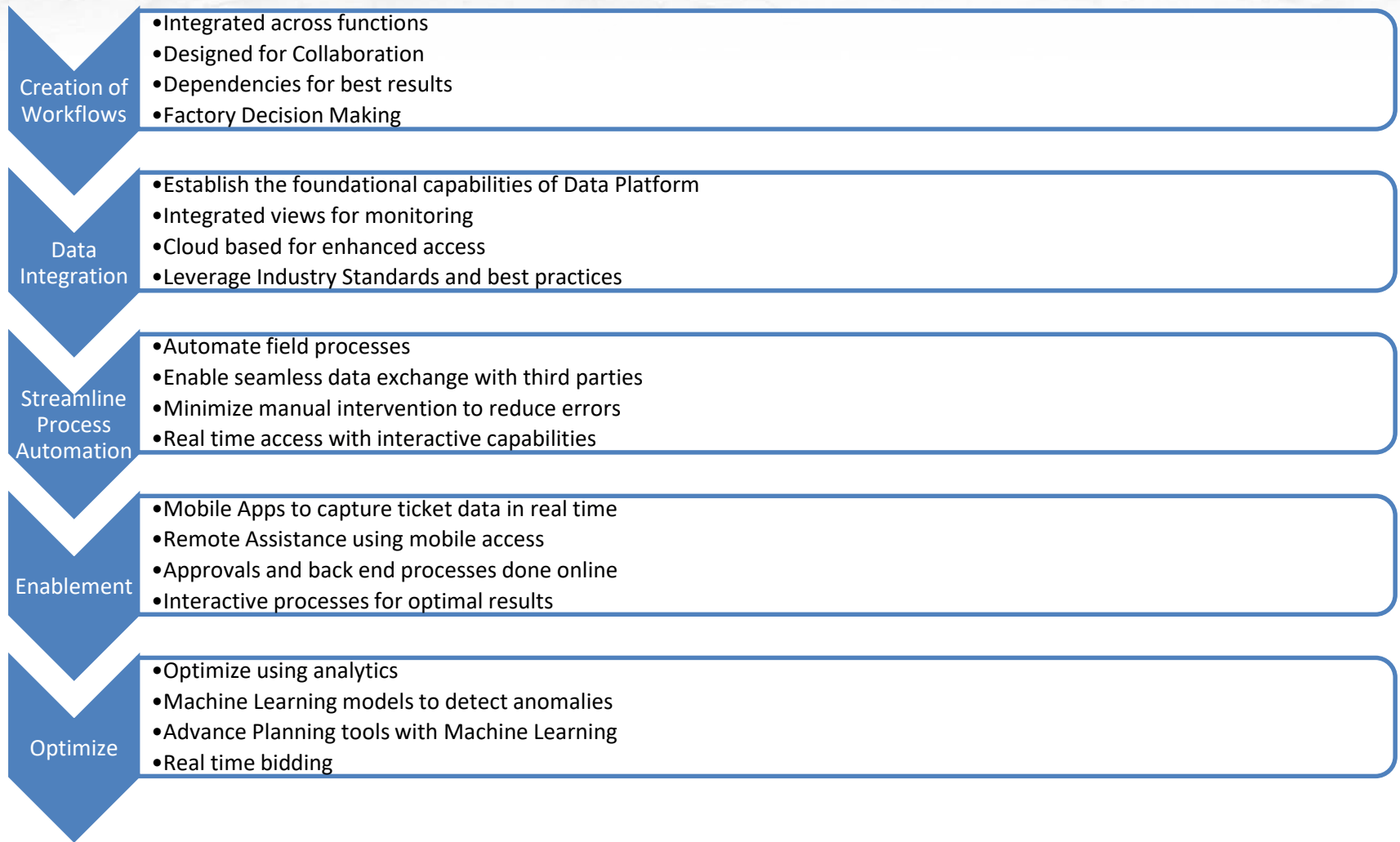
End-to-End Process Automation

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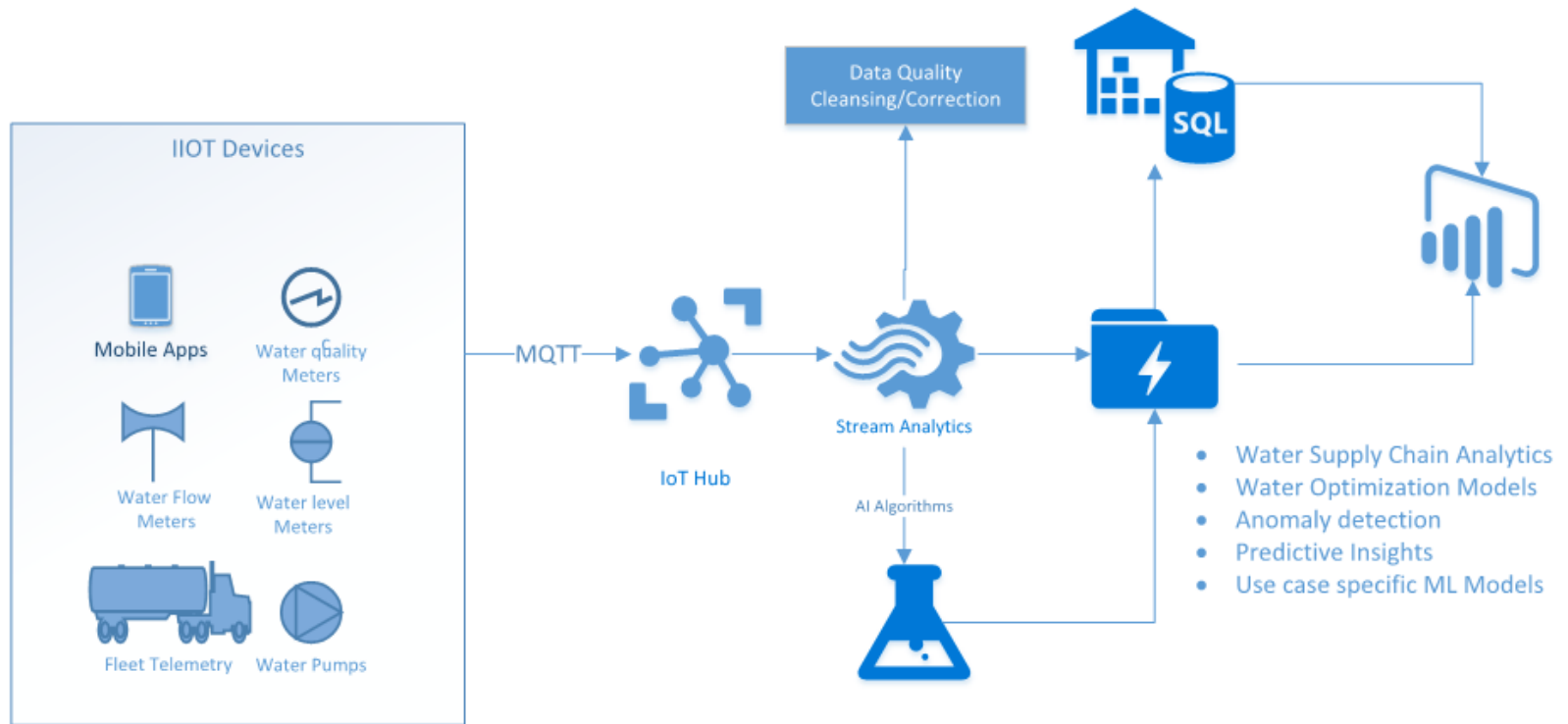
# Solution Themes- Process Overview



# Recommended Approach



# Solution Overview



# Inputs into Well Planning for Shale Wells

## Consolidated Data for a Unified view into Well Planning

- Surface Constraints for Well Planning
  - Terrain
  - Availability
  - Existing landscape in terms of players, infrastructure
- Understanding of Logistics and associated costs
- Sub-surface constraints on laterals and their length to optimize the number of pads, size of each pad etc.
- Cost Projections for Well Operations
- Inputs into modeling scenarios for development planning and optimization





Please Share your  
feedback– Thanks!!

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