

# DecisionSpace<sup>®</sup> 365 powered by iEnergy<sup>®</sup>

Rajat Saxena

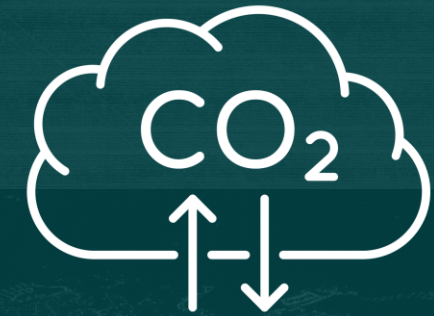




Volatility



Investment



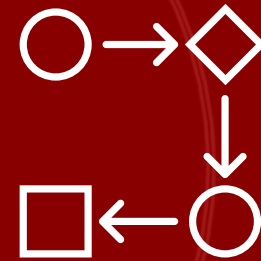
Energy transition



Uncertainty & Risk



Real Time  
Enterprise



Continuous  
Learning



Efficiency



# Modular, Integrated, Innovative Science & Engineering Suite

**DecisionSpace<sup>®</sup> 365**  
Powered by iEnergy<sup>®</sup>



Agile Field  
Management



Precision  
Reservoir Mgmt



Digital Well  
Program



Autonomous  
Production



Carbon  
Management



Build & Operate Digital Twins

**OSDU**



3<sup>rd</sup> Party Applications

**250+**  
iEnergy<sup>®</sup> cloud  
deployments in  
**36**  
countries  
**13K+**  
users

iEnergy - AWS, Azure, Azure Stack, Edge, Bespoke



# Unified Ensemble Modeling

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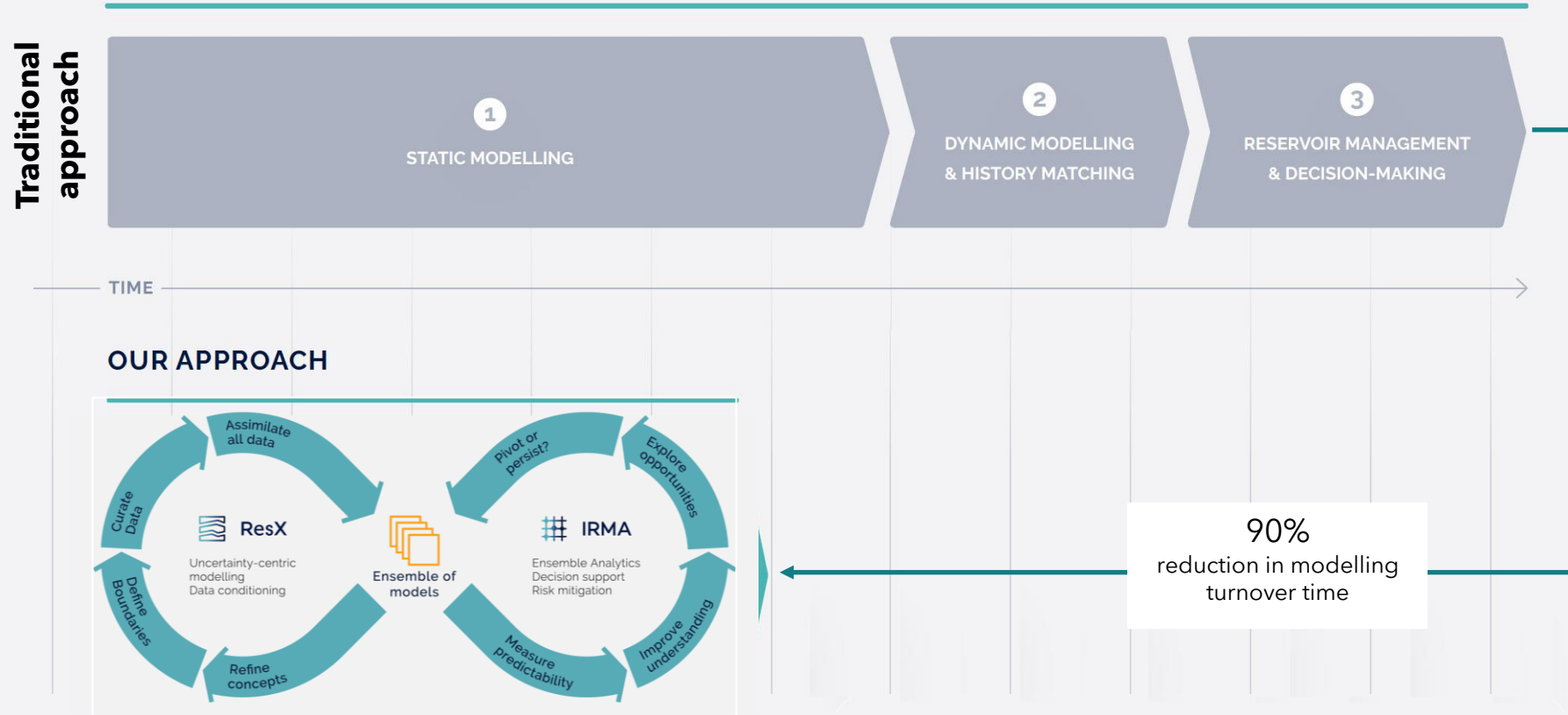
3<sup>rd</sup> Party Applications

Proven in

**130**

fields across  
the globe

# Iterative, fast, evergreen Reservoir Modeling & Management





# End-to-end Field and Well Design

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>25 Third Party  
Applications/Plugins

Reduce well  
design time by  
**up to  
80%**



# Here are some recent examples:

- **More than 80%** of well are drilled and completed with Landmark Solutions
- \$350k+ reduction in TCO for one IOC
- Reduced the time of analysis from 6 hours to 6 minutes per well
- Reduced deviation between estimated time and execution from 47 percent to 20 percent in pre-salt exploratory wells
- Reduce the time of retrograde analysis from 1 week to 2 minutes
- Global deployment in 12-weeks versus 1.5 years, resulting in huge resource savings



# Surface + Subsurface delivers coherent reservoir and production management

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Agile Field Management



Precision Reservoir Mgmt



Digital Well Program



Autonomous Production



Carbon Management



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3<sup>rd</sup> Party Applications

Proven in

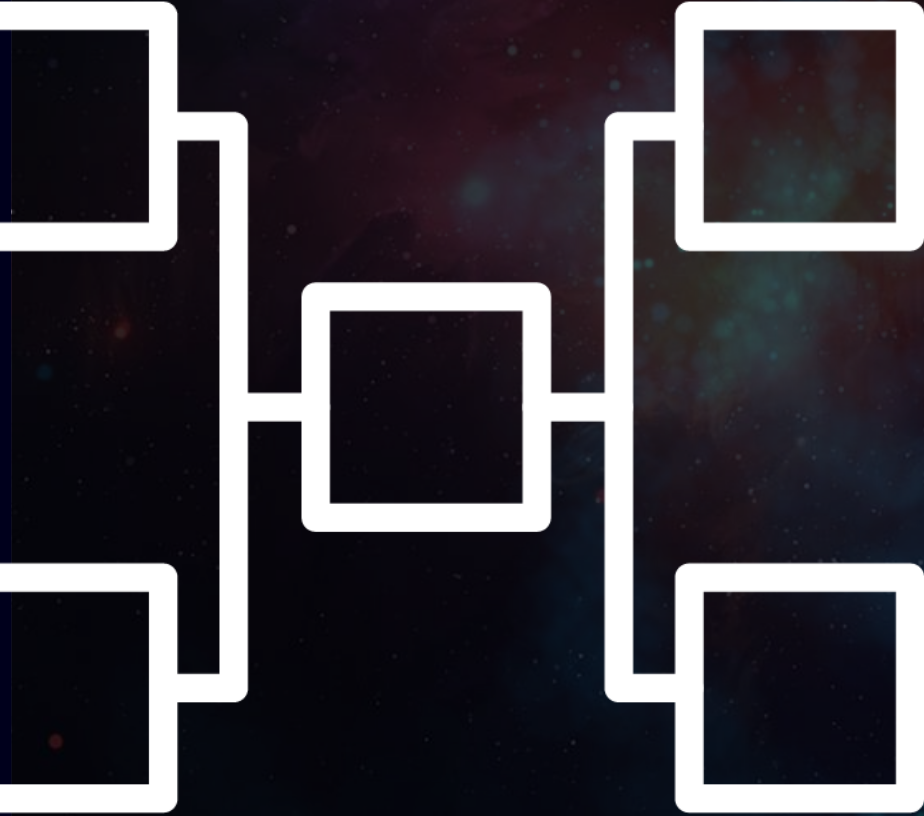
**>10**

major customer implementations

Trusted science from

**HALLIBURTON**

in an open ecosystem



# Working Towards the Bigger Picture

## Integrated Technology

- Centralized data
- Unified view
- Integrated tools
- Accessible 24x7



# Leading CCS application suite for insights and high science

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Agile Field Management



Precision Reservoir Mgmt



Digital Well Program



Autonomous Production



Carbon Management



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**OSDU**



3<sup>rd</sup> Party Applications

Halliburton have used  
Envana Catalyst to make

**over  
70K**

estimates of their  
activities to date.

**25**

**Projects  
globally**

**HALLIBURTON**



# CO<sub>2</sub> Storage Project Process



- Unparalleled methodology, expertise and cloud applications



# Plugin exchange

HALLIBURTON

DecisionSpace®365 Plugin Exchange

Sign In

**PLUGINS**  
Total plugins count

35

**REVIEWS**  
Total reviews count

0

**DEVELOPMENT**  
Total plugins in development

10

Subsurface

Well Construction

Reservoir Mgmt. & Production

DS365.ai

Agile Asset Management

Sustainable Energy Solution

All (27)

Search plugins

Sort by

Filter

Solutions

Ratings

Contributors

**Seismic Salt Interpretation by CNN**  
 Contributed by: Landmark | Created On: Sep 1, 2023 | Link: N/A  
  
 Recently, many deep-learning approaches have been applied to geophysical problems, such as seismic processing and interpretation, to aid in ...  
  
 Rating: ☆☆☆☆☆

Get it Now

**PDF Extraction**  
 Contributed by: Landmark | Created On: Sep 1, 2023 | Link: N/A  
  
 Our PDF extraction application is designed to efficiently extract information from scanned PDF documents. The application takes in scanned P ...  
  
 Rating: ☆☆☆☆☆

Get it Now

**Deep Learning Seismic Fault Interpretation**  
 Contributed by: Landmark | Created On: Sep 1, 2023 | Link: N/A  
  
 This model was a base model trained by a convolutional neural network and specifically designed for seismic fault imaging. An encoder was us ...  
  
 Rating: ☆☆☆☆☆

Get it Now

**Facies Classification using Machine Learning**  
 Contributed by: Landmark | Created On: Sep 1, 2023 | Link: N/A  
  
 Understanding reservoir lithology is the foundation from which all other petrophysical calculations are made. To make accurate petrophysical ...  
  
 Rating: ☆☆☆☆☆

Get it Now

**Drill Bit Wear Prediction**  
 Contributed by: Landmark | Created On: Sep 1, 2023 | Link: N/A

**Supervised Learning - Regression Model**  
 Contributed by: Landmark | Created On: Sep 1, 2023 | Link: N/A

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# Transform data and process into valuable decisions

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3<sup>rd</sup> Party Applications

# Over 100

Data science projects

# 60+

Bootcamps

# 50+

Out of the  
box models

# 50 PB

Of data across E&P being  
managed

**HALLIBURTON**



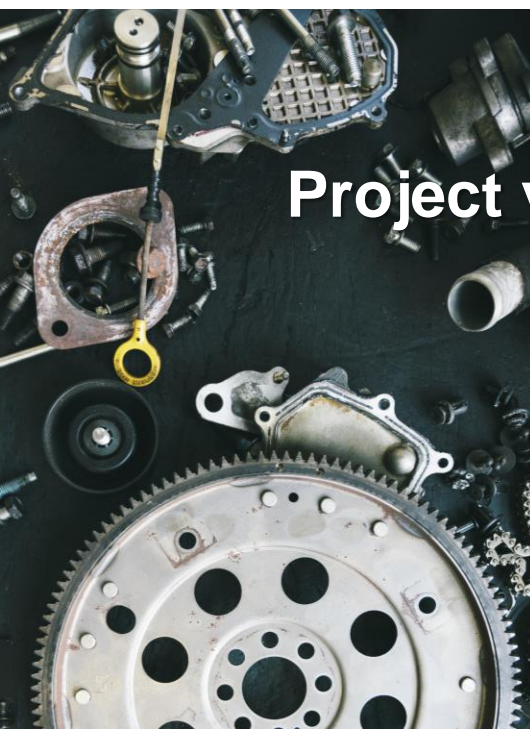




**To change or  
not to change**



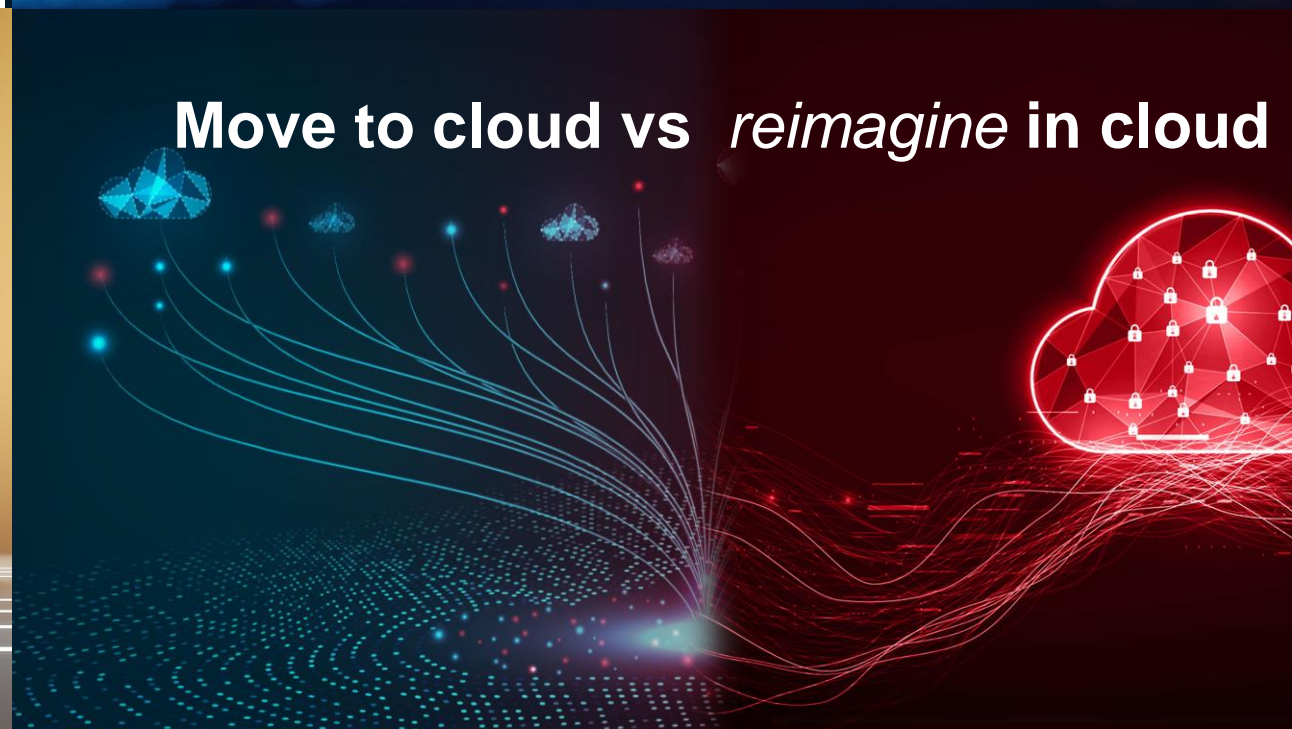
**Incremental vs foundational**



**Project vs Product**



**Move to cloud vs *reimagine* in cloud**







# Together we

**Innovate**

**Realize value fast**

**Reshape and transform our industry**