

DS11

The Future-proof Data Fabric for Digital & Decentralized Trials

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Meet the Speaker



Venu Mallarapu

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Venu Mallarapu is a digital innovation leader with over two decades of experience in business and IT advisory, strategic consulting, relationship, and delivery management. As eClinical Solutions' Vice President of Global Strategy and Operations, he is responsible for strategic development to meet global demand for the company's platform and service offerings. He is driving adoption, market expansion and innovation of the illuminate® Clinical Data Cloud and eClinical Clinical Data Services. Venu is a subject matter expert in Clinical, Regulatory, Quality and Safety & Pharmacovigilance functions, and has delivered Strategy & Transformation Advisory Consulting to top global Life Sciences clients. He has spoken at various Life Sciences and Tech industry events and is a recognized thought leader in R&D.

Agenda

- ❑ Challenges of conducting modern clinical trials
- ❑ Imperatives to modernize and drive DCTs
- ❑ Need for a Data Fabric
- ❑ Understand a Data Fabric
- ❑ Technology foundations of a data fabric
- ❑ Blueprint of a data fabric for clinical data
- ❑ Benefits
- ❑ Conclusion



With the rise of Decentralized Trials and Modern Trials...

...a fragmented digital value chain prevents us from digitizing and enabling modern trials

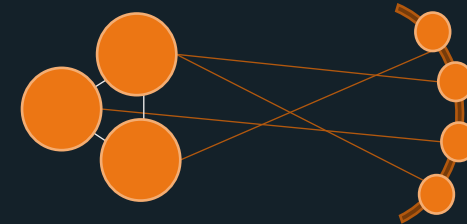
Data Deluge



Manual Processes



Multiple Systems



Inefficient Operations

... the imperatives to modernize trials and enable DCT are...

DATA AND ANALYTICS AS THE CORE OF DIGITAL TRIALS



Technology infrastructure and system interoperability



Harmonized data for modern analytics and automation



Transform processes to adapt, scale and upskill

TO ENABLE INTELLIGENT DECISIONS, REDUCED CYCLE TIMES, FASTER TIME TO VALUE

...and hence the need for a data fabric ...

In The Forrester Wave™: Enterprise Data Fabric, Q2 2022, the company states, “Today, **delayed insights can have a devastating effect** on a firm’s ability to **win, serve, and retain customers**. Organizations want **real-time, consistent, connected, and trusted data** to support their critical business operations and insights. Data fabric delivers a **unified, integrated, and intelligent end-to-end data platform** to support new and emerging use cases”.*

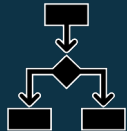
*The Forrester Wave™: Enterprise Data Fabric, Q2 2022 By Noel Yuhanna



...and a data fabric is...



A **unified** data management platform



Build to provide **consistency to the process** and **reliability to the data**



an **End-to-End** data pipeline from source to insights



Typically built **on cloud** with ability to scale

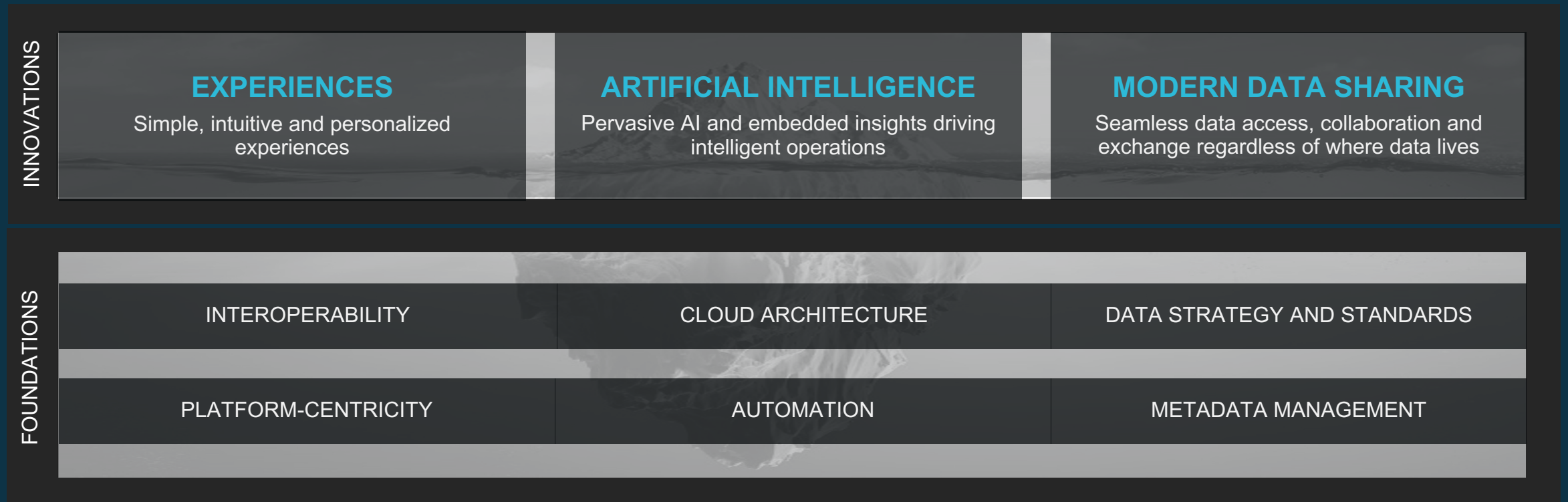


Able to acquire, process and analyze **diversified data formats**

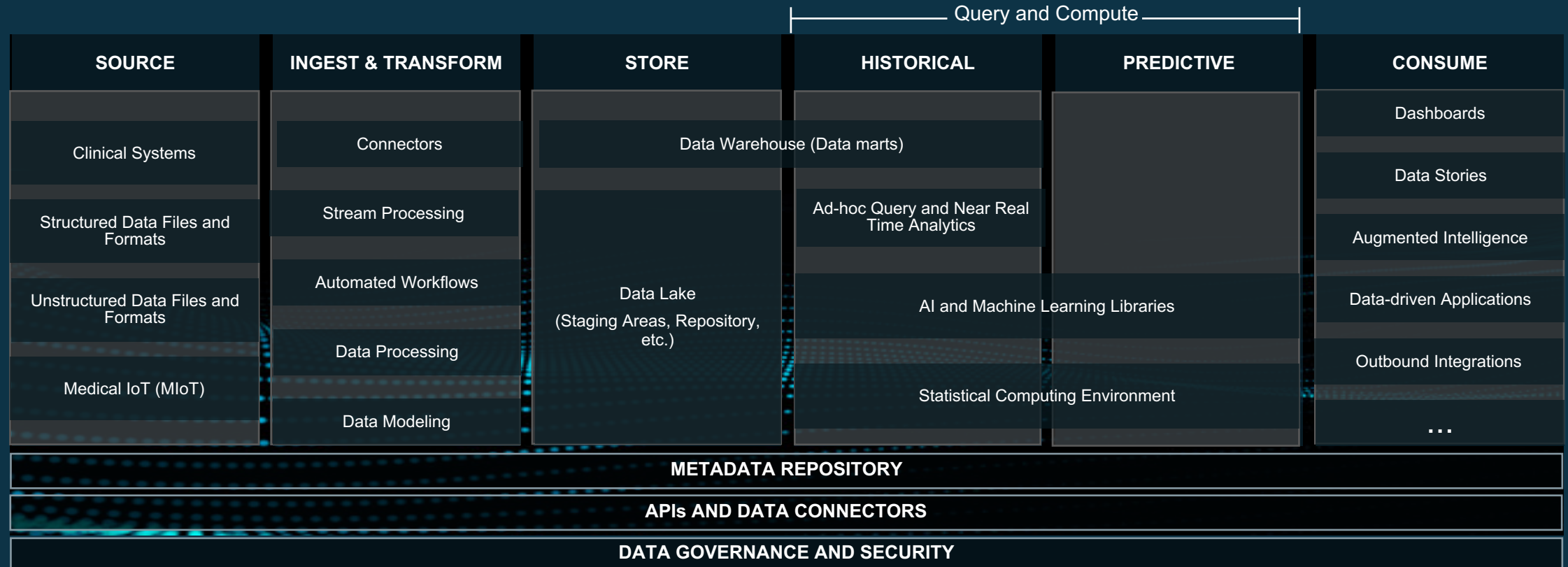


built to deliver **automation** driven through **standards**

... technology foundations of a digital data fabric...



... a fabric that delivers real-time, consistent, connected, and trusted data ...



... with an eye on delivering the business outcomes to...

Unified User
Experiences

Data Silo
Elimination

Reduced Cycle
Times

Future Proofed
Platform

Interoperable
Eco System

Real-time
Decisions

...and in conclusion...

Challenge

- Increasing complexity of trials
- Ever changing data needs
- Constant need for catchup

Solution

- Unified data platform
- Simplified and standardized
- Always an eye on end-to-end automation

Benefits

- Futureproof process & technology changes
- Reduced cycle times
- Faster time to market



Thank You!

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