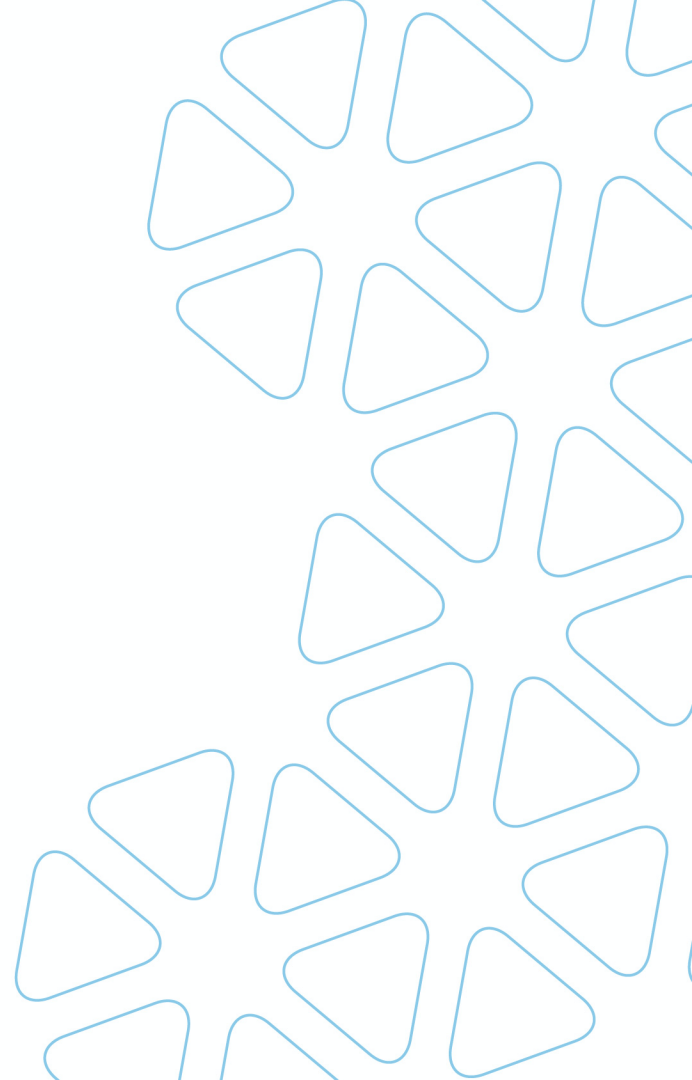# DATA ANALYTICS & INSIGHTS

Overview

Presented by: **Anitha Padmanabhan & Saharsh Bhatnagar**
09-10-2020

At a Glance

We're partners in transformation

As an industry leader in Full-Stack Technology Services, Talent Services, and real-world application, we work with progressive leaders to drive change.

TEKsystems is an Allegis Group Company.

100+
locations worldwide

$4+ billion
annual revenue

Serving 6K+ Clients, 80% of the Fortune 500

98% client retention

94% NPS score
for services delivered

30% higher client satisfaction
vs. the competition

Full-Stack Expertise and Services

Global Delivery
seamlessly on shore, off shore, near shore

Industry-specific expertise

Experience the power of real partnership. TEKsystems.com

Stay ahead of what's next

Full-stack technology services

Achieve version next, now, with TEKsystems Global Services®

Digital Experience
Amp up your digital strategy

DevOps & Automation
Run at the speed of ambition
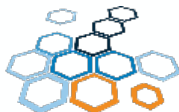
Cloud Enablement
Not just cloud first, cloud everything

Risk & Security
Steer clear of cyberthreats through revolving regulations

Data Analytics & Insights
Make decisions, not guesses

Technology Operations
Your ops, with more elasticity, dependability and opportunity

Enterprise Applications
Work your apps. Realize their true business potential

Telecom Design, Implementation & Operations
Scalability, flexibility and efficiency for tomorrow's wireless landscape

Leader in Data Analytics & Insights

Your Go To Analytical Partner

5,000+ TB
of data being handled
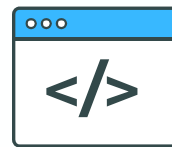
1,500+
Architects & Data Engineers deployed

350+
critical skillsets available

800K+
Lines of code of TEKsystems IP leveraged

Our Expertise

Data Warehouse & Master Data Management

Data Governance & Quality

Cloud Analytics

Data Analytics & Insight

Big Data Management

Internet of Things

AI & Advanced Analytics

TEKsystems
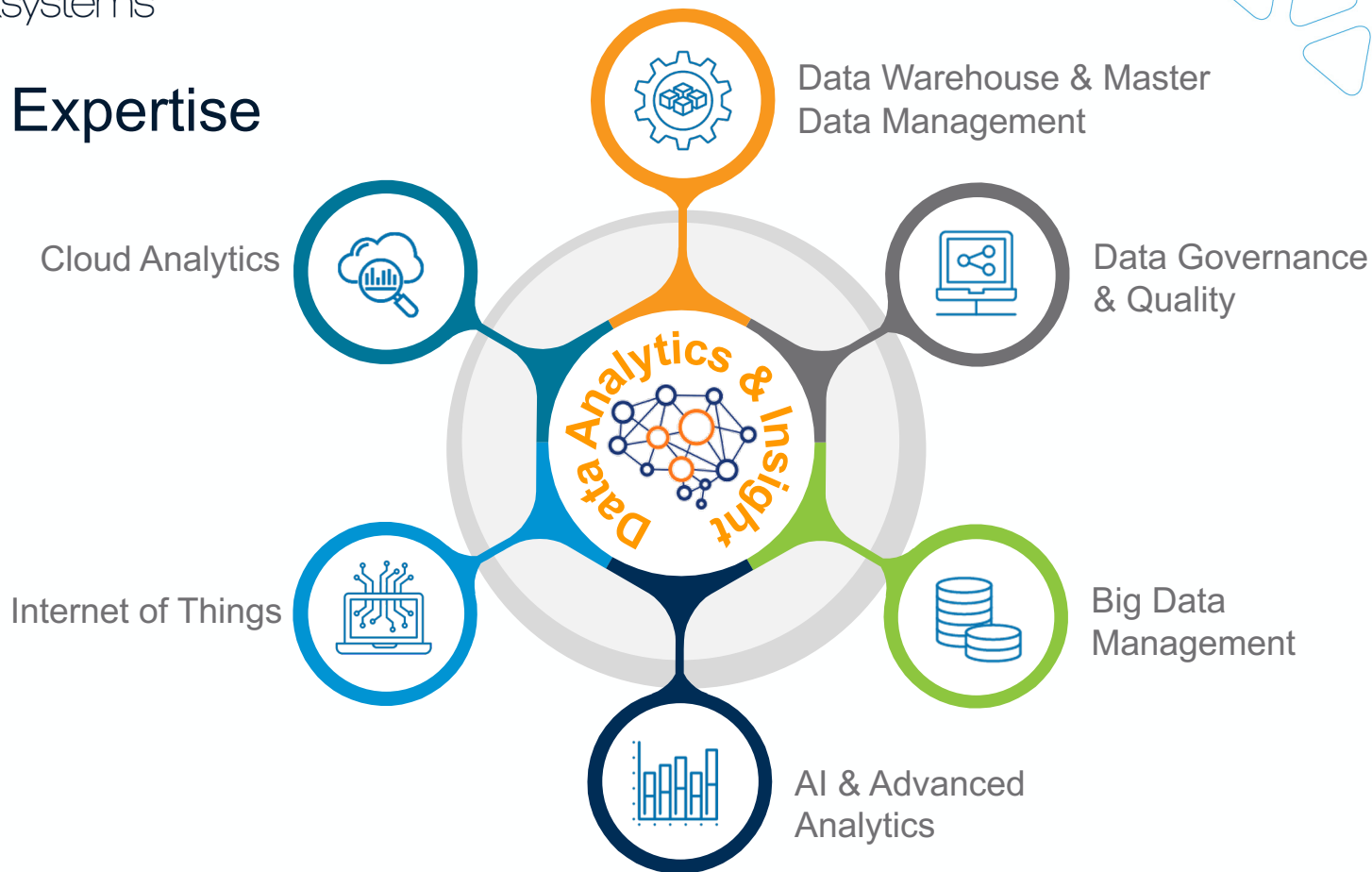
Our Expertise: Practice Capabilities

Industry Expertise: Healthcare | Retail | Manufacturing | Communication | Financial Services | Higher Education

Data Warehouse & Master Data Management

- Building and managing data warehouse and data marts

- Implement **Master Data Management** strategies covering Data warehouse and Enterprise Data Lake

- **Factory Model** for supporting and developing ETL and Reports

Data Governance & Quality

- Setting up Data stewardship and governance framework

- Implementing various **Data Quality Software** from Oracle and Informatica

- Advisory consulting for setting up BI Competency centers

Cloud Analytics

- **Strategy and selection** of cloud analytics platform

- Building plan to migrate analytics to the cloud – leveraging **IaaS, PaaS and SaaS** components

- Expertise in change management after moving the infrastructure to the Cloud

Our Expertise: Practice Capabilities (Cont.)

Industry Expertise: Healthcare | Retail | Manufacturing | Communication | Financial Services | Higher Education

Internet of Things (IoT)

- Enabling **connected world**

- TEKsystems has end to end capabilities from **embedded/ operational technologies to information management technologies**

- Experts in building secure platform facilitating **machine to machine** interactions

Big Data Management

- Capabilities and expertise in handling large **volume, variety and velocity** of data

- Architecting new age technical architecture

- Expertise with all areas of data management from **SQL to NoSQL to NewSQL** technologies

AI & Advanced Analytics

- Building solutions with cognitive science capabilities

- Providing **Data Science as Service** with outcome driven solutions

- Innovating next gen platforms that helps organizations to react fast intelligently

Service Portfolio: Data Warehouse & MDM

SERVICES

STRATEGY & ADVISORY SERVICE

- Health check
- Maturity Assessment
- MDM Strategy & Selection

IMPLEMENTATION SERVICE

- Report Factory
- ETL Factory
- MDM Implementation
- Tool migration
- Managed service

ACCOMPLISHMENTS

- Co-development partner for Oracle BI products
- Automated tools for health check, migration, testing
- Migration tools for Informatica, ODI, Qlik View, Tableau,
- Certified resources
  - Oracle; Informatica
- Go to Analytics partner for many Fortune 100 customers – GE,, Sony, Schlumberger, BCBSA, etc.

PLATFORMS & TOOLS

- Oracle BI
- Qlik view
- Tableau
- Cognos
- Business Objects
- PowerBI
- Microstrategy
- TIBCO Spotfire
- WebFocus
- SAS
- Informatica
- Talend
- Data Stage
- SSIS
- Pentaho

Service Portfolio: Data Governance & Quality

SERVICES
STRATEGY & ADVISORY SERVICE
- Data Stewardship
- BI Competency Center

IMPLEMENTATION SERVICE
- Data Quality tools
- Data Lineage implementations
- Data modeling

ACCOMPLISHMENTS
- Setting up Bi Competency Center
- Advisory consulting for large customers like Canon, Schlumberger, GE
- Built accelerators for Data Lineage
- Provided retail data management solutions for large consumer retail manufacturing customers

PLATFORMS & TOOLS
- Oracle
- Informatica

Service Portfolio: Cloud Analytics

SERVICES
STRATEGY & ADVISORY SERVICE
- Cloud First data strategy
- Quick start and pilot
- Co-existence strategy
- IaaS, PaaS, SaaS architecture and roadmap

IMPLEMENTATION SERVICE
- Cloud migration services
- Managed Service

ACCOMPLISHMENTS
- **Data as Service** developing and managing all data management tools
- Migrated and consolidated 20+ data marts into AWS for multiple customers like **Asurion, Lumentum,** etc.
- Go to implementation partner for **Oracle BI Cloud Service**
- Developed light weight multiple prebuilt analytical application on the cloud **"TEKsystems AppsLITE"**

PLATFORMS & TOOLS
- Amazon Web Service (AWS)
- Azure
- Oracle Cloud
- Informatica Cloud
- Google Cloud
- Snowflake

Service Portfolio: Big Data Management

SERVICES

ENTERPRISE DATA LAKE

- Data warehouse migration
- Offloading ETL
- Dark/ Unstructured data exploration
- Data as a Service (DaaS)

MANAGED SERVICE

- Data Lake as a Service (DLaaS)
- 24x7 Remote Infrastructure Support

CROSS PRACTICE SERVICE

- NextGen Program
- Big Data Testing

ACCOMPLISHMENTS

- Certified Consultants
  - **MapR** - 13| **HortonWorks** - 45 | **Cloudera** - 25
- Established "Game Play" data lake for Sony PlayStation
- Built Utility for migrating Teradata to Hadoop
- Built Utility for Talend with Spark
- Built 150+ retail POS adaptors

PLATFORMS & TOOLS

- **Data Management:** MapR, Cloudera, HotonWorks, Pivotal, AWS, Azure, Cassandra, Couchbase, NuoSQL, MongoDB, Redis,.Marklogic
- **Data Processing:** Spark, Flume, Sqoop, NiFi, Kafka, Informatica BDE, Informatica BDM, Talend, Oracle Big Data

Business Challenges: Our vertical solutions

MANUFACTURING

- Predictive maintenance
- Quality Excellence
- OEE

RETAIL

- Customer Segmentation
- Trade Promotion effectiveness
- Dynamic Pricing

HEALTHCARE

- Patient 360
- Fraud Detection
- Clinical Reporting

FINANCIAL SERVICES
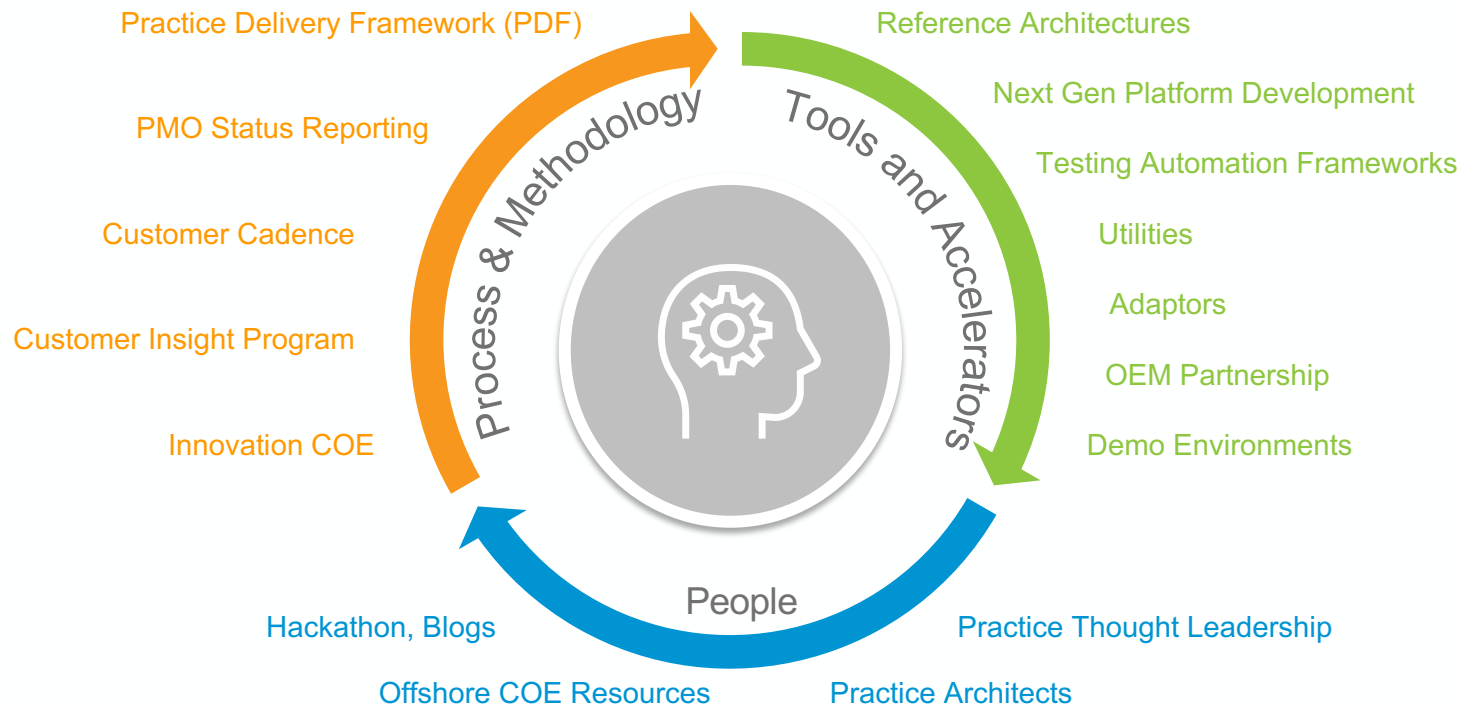
- Fraud Prevention
- Risk & Regulatory Compliance

COMMUNICATION

- Inventory Optimization
- SLA Management

Partnerships

Our Differentiators: Practice Leadership

Practice Delivery Framework (PDF)

Reference Architectures

PMO Status Reporting

Next Gen Platform Development

Customer Cadence

Testing Automation Frameworks

Utilities

Customer Insight Program

Adaptors

OEM Partnership

Innovation COE

Demo Environments

Process & Methodology

Tools and Accelerators

People

Hackathon, Blogs

Practice Thought Leadership

Offshore COE Resources

Practice Architects

Tools & Accelerators (TEKsystems IP)

DATA ENGINEERING

Data Warehousing
- EDW Accelerator
- DW Scanner
- OnPrem to Cloud DW Migration (Redshift)

ETL
- Informatica Standard Checker
- Data Lineage / Metadata Management
- ETL Conversion Tool
- ETL Genie
- Informatica to Talend (beta)
- Report/ETL Complexity Analyzer

Testing
- Test Automation Framework

Documentation
- SAP HANA – XML extractor

DATA VISUALIZATION

Requirements Gathering
- Business Requirements Generator

Tableau
- Supply Chain Analytics
- HR
- Finance
- Bridge BI

QA
- BI Assurer
- Re Assurer
- Path Finder
- Selenium Automation Framework

Data Quality
- Metric Validator

BI On-Prem Solution
- TEK Rapids

BI Cloud Solution
- TEK Apps Lite

Migration
- **Data Migration (Oracle to Snowflake) Beta**

BIG DATA

AI based framework
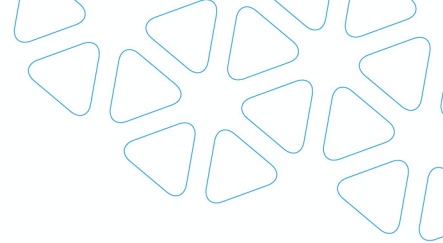- sAIge

Data Ingestion, Processing, Consumption
- Big Data Integration Framework (BDiF)
- Talend powered by Spark
- Teradata Warehouse migration Utility
- PySpark Powered by Kubernetes

IoT
- IoT Framework for Modern Manufacturing

Data Science
- Predictive Analytics
- Twitter Data Analysis

Thank You