Timely, Accurate, Location Based Business Intelligence

Paramjeet Sachdev(Pammy)
Director, Centre of Excellence, SAP
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PUBLIC
77% of the world’s transaction revenue touches an SAP system.
Agility
the ability to respond faster to changes in the marketplace or the business and pivot business processes towards the right customer outcomes.

Visibility
the ability to collect and connect data that was previously siloed and recognize unseen patterns.

Focus
the ability to simulate the impact of potential options and direct scarce resources to the areas of maximum impact.

Capabilities

Outcomes

Do more with less and empower employees through process automation and freeing up people to do more meaningful work.

Deliver best-in-class customer experience by anticipating and proactively responding to end-customer needs.

Invent new business models and revenue streams by monetizing data-driven capabilities and applying core competencies in new ways.

In the diagram:
- The Intelligent Enterprise Accelerates Value Creation
- Capabilities: Agility, Visibility, Focus
- Outcomes: Do more with less, Deliver best-in-class customer experience, Invent new business models and revenue streams

The table shows:

<table>
<thead>
<tr>
<th>Capabilities</th>
<th>Outcomes</th>
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<tbody>
<tr>
<td>Agility</td>
<td>Do more with less and empower employees through process automation and freeing up people to do more meaningful work</td>
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The Intelligent Enterprise Framework

1. Digital Platform
2. Intelligent Technologies
3. Intelligent Suite
The Challenge: **Silos create an incomplete picture**

- **Enterprise Applications**
  - Business data
  - Master data
  - Analytical data

- **Unstructured**
  - Social networks
  - Photos & Videos
  - Bio-metrics

- **GIS Systems**
  - Geographical data and layers
  - Networks
  - Maps and topologies

- **Engineering Systems**
  - Diagrams
  - 2D & 3D
  - Animations

- **Sensors & Devices**
  - Streaming
  - Telemetry
  - Location, health and status

- **Satellite & Drone Imagery**
  - Land use
  - Weather & climate data
  - Surface condition data
The Solution: **SAP Digital Platform**

**SAP HANA Platform**

**Application Development**
- Web Server
- JavaScript
- Fiori UX
- Graphic Modeler
- Application Lifecycle Management

**Advanced Analytical Processing**
- Spatial
- Graph
- Predictive
- Search
- Text Analytics
- Streaming Analytics
- Series Data
- Business Functions

**Data Integration and Quality**
- Data Virtualization
- ELT & Replication
- Data Quality
- Hadoop & Spark Integration

**Database Management**
- Columnar QSTP + DLA
- Multi-Core & Parallelization
- Advanced Compression
- Multi-tenancy
- Multi-Tier Storage
- Data Modeling
- Openness
- Admin & Security
- High Availability & Disaster Recovery

**All Devices**

**SAP, ISV and Custom Applications**

**Enterprise Applications**
**Unstructured**
**GIS Systems**
**Engineering Systems**
**Sensors & Devices**
**Satellite & Drone**
Enabling the Business Value across the Silos

Business Data

Unstructured Data

Sales & Marketing

Spatial Data

IOT Data
Enabling the Business Value across the Silos
Enabling the Business Value across the Silos
Enabling the Business Value across the Silos
Esri ArcGIS: 2018 Pinnacle Award Winner for Global Integration

Integrated with SAP across the stack

Maps & Spatial Analysis inside SAP or Custom Apps

SAP Business Data in Esri Map-Centric Apps

Running On … SAP HANA

SAP Business Data in Esri Map-Centric Apps

Targeted but not yet integrated

Business Networks*

Digital Core

HANA

BI

SAP Analytics Cloud

SAP Ariba

SAP Fieldglass

SAP Hybris

SAP SuccessFactors

SAP BusinessObjects

SAP BW (Digital Boardroom)

SAP S/4HANA

SAP Business Suite
# Why customers choose SAP HANA for Esri

The Next Generation Geodatabase Platform

<table>
<thead>
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<tbody>
<tr>
<td>1</td>
<td><strong>Performance</strong></td>
</tr>
<tr>
<td></td>
<td>Experience in-memory first performance improvements for your GIS and location intelligence workloads</td>
</tr>
<tr>
<td>2</td>
<td><strong>Simplify</strong></td>
</tr>
<tr>
<td></td>
<td>Seamless integration of spatial &amp; SAP enterprise data on one platform</td>
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<tr>
<td>3</td>
<td><strong>Democratize</strong></td>
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<td>Spatially enable the entire enterprise through the SAP HANA platform</td>
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<tr>
<td>4</td>
<td><strong>Innovative</strong></td>
</tr>
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<td></td>
<td>Leverage other advanced engines like graph, machine learning, text analysis for better insights, improved decision making, and drive innovation</td>
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<tr>
<td>5</td>
<td><strong>Scalable</strong></td>
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<tr>
<td></td>
<td>Consume, store, process, and analyze extreme volumes of spatial &amp; enterprise data</td>
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<tr>
<td>6</td>
<td><strong>Flexible</strong></td>
</tr>
<tr>
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<td>Leverage SAP HANA in various scenarios with Esri including Geodatabase, side car GIS accelerator, geo-analytics hub</td>
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<tr>
<td>7</td>
<td><strong>Smart</strong></td>
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<td>Virtualize, federate, and process data wherever it may be</td>
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<tr>
<td>8</td>
<td><strong>Proven</strong></td>
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<td>Leverage strong integration history and customer use cases between Esri and SAP HANA</td>
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<td>9</td>
<td><strong>Modern</strong></td>
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<td>SAP HANA supports the latest Esri innovations including Utility Network Model, ArcPro 2.1, Enterprise 10.6, and Esri Insights</td>
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<tr>
<td>10</td>
<td><strong>Open</strong></td>
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<td>Deploy OGC compliant SAP HANA platform on-premise, in the cloud, as a service, or both</td>
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Spatial Accelerator for SAP Utilities
Take Action from Maps

Team members in the office and in the field can update SAP Utilities data in real time from map interfaces. Rapidly deployed SaaS offering unleashes the power of the SAP Geographical Enablement Framework.

App Suite for Utilities
Empower Your Organization

From Asset Audits to Preventing Defects – Apps from Spatialitics connect your organization to deliver superior service. Deploy assets, technology, and your workforce for maximum effectiveness.

Unity Engine
Connect GIS with Enterprise Data

A unique and innovative offering that connects Esri ArcGIS data with SAP and other systems in real time, providing bi-directional data synchronization. Empower GIS and SAP apps and workflows like never before.

Courtesy of Spatialitics, a CyberTech Company
Strategic Platforms Enabling The Intelligent Enterprise

**Public Sector**
- Citizen Engagement
- Travel & Transportation
- Public Security
- Public Health
- Education
- Digital Government
- Tourism

**Utilities**
- Waste Management
- Demand Forecasting
- Predictive Maintenance
- Pro-Sumer
- Smart Metering
- Dynamic Pricing
- Network Tracing

**Engineering & Construction**
- Asset Management
- Route Optimization
- Digital Supply Chain
- Predictive Maintenance
- Virtual Expert
- Worker Safety
- Paperless Construction

**Retail**
- In-Store Analytics
- Store Placement
- Customer Insights

**Financial Services**
**Manufacturing**
**Wholesale Distribution**
**Sports & Entertainment**
**Aerospace & Defense**
**Earth Observation**
Thank You.

Paramjeet Sachdev (Pammy)
Director, Centre of Excellence, SAP
Pammy.Sachdev@sap.com
www.linkedin.com/in/pammysachdev