**Case Study**

**HANA Success Stories – BW On HANA Migration**

**Customers**
An Upstream Oil & Gas Company  
A Chemicals Firm  
A Petroleum & Natural Gas E&P Firm

**Location**
United States

**Challenges**
- Limitations with extracting & loading data from relational database and source systems to DW environment affected business performance, especially with growing data volumes  
- Frustration over data latency and strong need for real-time data  
- Slow performing reports holding back BI user adoption

**Solutions**
- SAP NetWeaver BW 7.3 powered by SAP HANA

**Outcomes**
- Dramatic increase in performance across areas  
- Rapid implementation with no changes to user interfaces  
- Marked increase in user adoption

**Migration Test Automation Tool**
- Accelerated time-to-market for BW upgrades and BW on HANA migration  
- Testing 186 queries took just 35 minutes (57x faster than without the tool)

"The migration to SAP HANA allowed us to keep our data warehouse and analytics environment untouched while gaining a tremendous performance advantage”

"We've taken the lid off to where performance is no longer an issue, so we've set the stage to do more.”

- CIO & Vice President of Administration. Oil & Gas

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**Faster Analysis & Reports**

<table>
<thead>
<tr>
<th>RDBMS</th>
<th>HANA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CapEx Net Report Performance</td>
<td>771s</td>
</tr>
<tr>
<td>JVA Line Item Delivery DSO Activation Time</td>
<td>395s</td>
</tr>
<tr>
<td>Dashboard Response Time</td>
<td>0.43s</td>
</tr>
<tr>
<td>LOS – Net Production Month Report</td>
<td>1.18s</td>
</tr>
<tr>
<td>Database Size (in GB)</td>
<td>839GB</td>
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</tbody>
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**Faster DSO Activation**

**Faster Dashboards**

**Accelerated Planning Functions with complex scenarios**

**Reduced Landscape Footprint**