

## **Implementation of the first phase of automated manufacturing execution system development for Karakudukmunay**

<b>Sector:</b>	Oil and gas
<b>Region:</b>	Kazakhstan
<b>Client:</b>	KarakudukMunai LLP
<b>Task:</b>	Improvement of the performance of production processes and the corporate planning process within the holding.
<b>Result:</b>	<p>As part of methodology implementation works in Karakudukmunay ITPS* team created an analysis system based on the SAP ERP software providing the following possibilities:</p> <ol style="list-style-type: none"><li>1. Calculation of the indicators of potential levels of output well capacity on the basis of data on the actual production of previous periods, telemetry sensors indicators, geological field features and research results.</li><li>2. Ranking and selection of wells-candidates for geological and technical activities.</li><li>3. Analysis of the well productivity flow in the previous periods.</li><li>4. Analysis of the well works history.</li><li>5. Initiation of geological and technical activities.</li><li>6. Accounting of technological and geological losses in terms of every well.</li><li>7. Analysis of production activity performance indicators.</li></ol>
<b>Partners:</b>	SAP, Tieto, OSIsoft
<b>Review:</b>	<p>"At all work execution stages ITPS* involved specialists having industry capabilities, high professional qualification and good communication skills, which led to the creation of an analysis system widely used by Karakudukmunay production specialists.</p> <p>The project was implemented within the required timeframes and at the quality level meeting the requirements, which enables the use of project deliverables in other oil production companies."</p>

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Deputy General Director for Geology and Development  
A.Proshchenkov

\* The project was implemented by Parma-Telecom  
(ITPS)

\*\* The material is available in Russian version only