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Case for **a Group of Steel and Mining Companies**

Predictive Quality Models and Advanced Analytics Reduce Production Defects and Expenses_

Industry: Manufacturing   **Location:** Ukraine   **Employees:** 90 000+

Client Background

An international group of steel and mining companies with UDS 9 billion revenues.

Business Challenge

○ Working on development of predictive quality models, our data scientists faced the problem of poor quality of exported data (incomplete, insufficient, etc.) needed for training a model.

○ Additional time and efforts were spent for cleansing and preparing data for predictive modelling.

Solution

○ Established advanced analytics infrastructure and customised models for the quality prediction in casting stainless steel slabs.

○ Built visually rich reports on the probability of slab defects based on the product parameters (steel grade and gauge of sheets).

Business Value

○ Reduced a number of defects, which potentially result in additional 250-300 of steel sheets per month for separate kind of steel grade

○ Decreased costs for defects detection

○ Improved decision-making and the manufacturing efficiency

Technologies

| | SAP Predictive Analytics | | SAP HANA | | SAP Data Services | | SAP BI |

SAP Predictive Analytics

SAP HANA

SAP Data Services

SAP BI

SAP ERP

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