



**Modern **business intelligence** environment in Microsoft Azure cloud for financial analysis of Unibep group**





The background of the entire page is a photograph showing the silhouettes of several large tower cranes against a dramatic sunset sky. The sky transitions from a deep blue at the top to a bright orange and yellow near the horizon. The cranes are dark, intricate structures with long horizontal jibs extending across the frame. The overall mood is industrial and serene.

# Unibep

*The client was using an on-premise reporting system to transfer financial and accounting data between companies. In order to improve work efficiency, he needed to optimise the current database system, move it to a cloud to improve work efficiency, standardise data updating and preparation of reports for all companies.*

# MODERN BI ENVIRONMENT IN MICROSOFT AZURE CLOUD FOR FINANCIAL ANALYSIS OF UNIBEP GROUP

The aim of the project carried out for Unibep group was to develop a reporting and analytical system which allows for efficient updating of data, quick access and ongoing work related to the analysis of this data. It was also important for the client to optimise the costs of the currently used solutions and to develop the competences of the team.



**As part of the project, a modern analytical platform was built based on the data warehouse in the cloud environment of Microsoft Azure and the Microsoft Power BI reporting system was implemented. This ensures optimised operations in every aspect of both the current work with data and the reporting part. The cost of ownership of the environment was reduced by introducing a new approach to billing for Azure cloud services. An integral part of the implementation was also user training.**

Using Power BI, users can create the reports they need on their own. Several analytical models were prepared, e.g. financial model, budget model and settlement model, on the basis of which it is possible to receive necessary data summaries on an ongoing basis.

Another element of the project were dedicated workshops, during which reports were prepared together in terms of specific data. The aim of the workshop was to familiarise users with the Microsoft Power BI tool. In addition to the preparation of target reports, which will be useful in current work, the capabilities of the tool itself were presented to the client in terms of developing available data. As part of the project, IT department employees were trained. Training in the form of workshops consisted in practical learning how to create reports using real customer data.

The key result of the implementation was the acceleration of data updating in OLAP cubes. Until now, data updating took up to a dozen or so hours and was performed manually. Thanks to optimisation and consolidation, the client now receives updated data automatically, and the preview of ready reports takes only minutes.





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