

# Interview Presentation: Project Overview

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# PowerBI Dashboard / Report Suite

- Situation - Lack of business metrics, current reporting system integrated into the ERP
- Task – Generate a method of communicating business insights to key stakeholders
- Action – Build a PowerBI Dashboard with data connectors into our company data sources
- Result – Business stakeholders able to adjust processes, allowing for more informed decision making

# Development Lifecycle

- Understand the task thoroughly, what is required as an outcome, what inputs will we need to get there, how will we achieve our goal
- Development of an efficient Datamodel using Star/Snowflake schema
- Use of different connectors such as ODBC to access company data, prepare and format this data to allow for efficient computation
- Design of measures and calculations to finalise data model
- Testing and optimizing model using external tools (Tabular Editor, DAX Studio)
- Construction of visuals, graphs, matrices etc. to which the end user can apply filter context
- Configuration of cloud gateway to allow access to our on-premises data sources, enabling distribution & report refresh through the PowerBI Service
- Feedback from stakeholders, fine tuning of existing reports, addition of extra reports

# Transferable skills acquired

- Comprehensive understanding of data modelling, dimension/fact tables, Star/Snowflake Schema, RDBMS
- Strong understanding of how to efficiently develop bespoke solutions based on the needs of stakeholders
- How to effectively learn new programming languages and their different styles
- Advanced understanding of the Power Query engine and its language – M
- Data visualization, calculations/measures, DAX/MDX queries
- The ability to take something complex and refine it
- Amongst others....

# Conclusion

- Developed a solid understanding of project workflow cycle from planning to design, development, testing, deployment and review
- Honed a series of technical skills
- Gained a deeper understanding of my learning process and capabilities
- Constant workflow cycle therefore gained an understanding of the evolution of processes