PROJECT
BUSINESS INTELLIGENCE

About the project

In this project about organization Kramse, active in the field of container transport overseas, you are to integrate topics from previous modules in this course:

- You will be presented with Kramse's mission, vision and strategy, from which business needs for information are derived.
- You will be offered some of Kramse's operational systems to build a datawarehouse from.
- You will design and implement dashboards to cover Kramse's business needs for information.
- You will advise Kramse about actions to be executed.

About the materials (1)

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You will work independently on the project, although guidance from staff and other students is available.

To this extent you will be provided with:
- A module description listing the formalities about this module.
- An assignments document containing the assignment you will be working on.
- A case description providing details about Kramse's operational systems.
- Files representing Kramse's operational systems.

About the materials (2)

Project Kramse

About the time schedule

Working backwards the time schedule is as follows:

- Assignments are scheduled in <u>week 8/9</u>.

- Results are due <u>week 8</u> (Thursday, by midnight).

- During weeks 1-4 several tutorials and HandsOn-sessions are planned.

- During <u>weeks 5–8</u> several HandsOn-sessions are planned.

- The project starts with an introduction <u>today</u> (*or you have already started …*)

15 March 2023

About the results

Your results are twofold:

1st You have finished all the tutorials with a pass.

On the one hand you hand in Visual Studio Projects, database scripts and a PowerBI project. Those are your technical results.

On the other hand you hand in a report describing how you have come to your (technical) results; you meticulously explain your design choices. This is, in Dutch, a 'productverantwoordingsverslag'.

About the report

Topics to be included in your 'productverantwoordingsverslag' are:
- How did you structure your staging area, and why?
- How did you extract data from the source files, and why?
- Have you used additional data beyond the source files, and why?
- How did you design your datawarehouse, and why?
- Which data transformations were necessary, and why?
- How did you set up your SCD, and why?
- Which dashboards have you designed, and why?

Some hints ... (1)

Take a good and thorough look at both the structure and contents of your source files. Realize that both are far from perfect.

Make a well thought-out choice for the structure of your datawarehouse. Should it be a star, snowflake or galaxy scheme?

Some decisions on SCD may very well be yours; others may be defined by the business. Always explain your decisions!

Some hints ... (2)

Making dashboards is not about showing fancy pictures; it's about **fulfilling business needs for information**. Explain why they look like they do!

And finally, business intelligence is about having **conclusions, taking decisions and executing actions**. Share them with us!

Questions?

Let's go ...