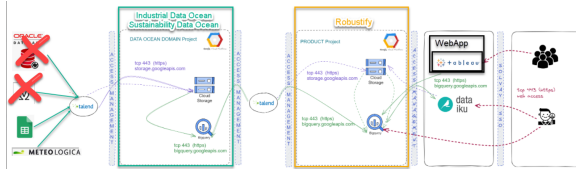


# 6. Data Flow Diagram

## Overview

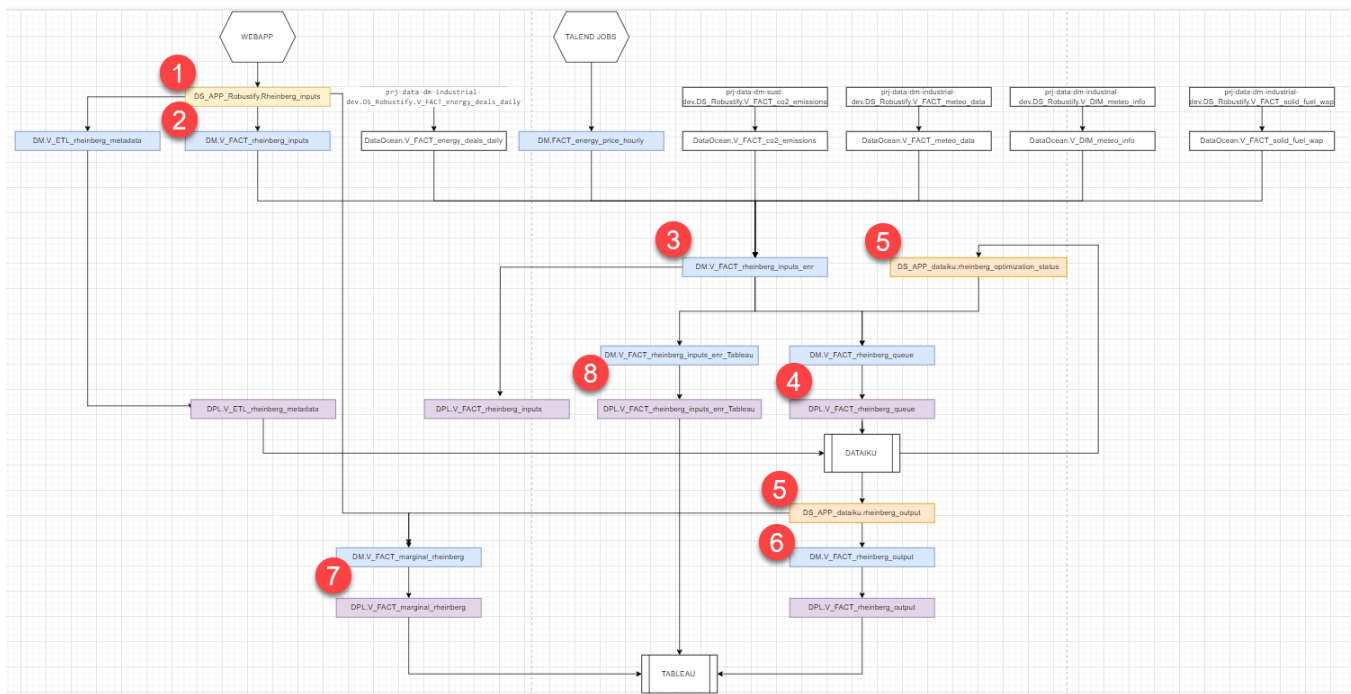


- Overview
  - WebApp Flow
  - Talend Flow

### Responsible & contact points:

- Alessandro Mainardi - Project Owner
- Simon Bourguignon - Delivery Manager
- Alba Carrero/ Gaetan Frenoy - Product Owner
- Rui Ferraz - Project Manager

## WebApp Flow



WebAppFlow.drawio

Data input from WebApp to Big query will go directly project prj-robustify-[env] in dataset DS\_APP\_Robustify for the tables name [site]\_inputs

Then the data flow will be:

1. DS\_APP\_Robustify.[site]\_inputs The data that get from WebApp
2. DM.V\_FACT\_[site]\_inputs Change row to column. (to change parameter name of webApp to be column in BQ)
3. DM.V\_FACT\_[site]\_inputs\_enr to add missing value if webApp does not have data, it will get from Data Ocean following [business rule](#)
4. DM.V\_FACT\_[site]\_inputs\_queue Same data as DM.V\_FACT\_[site]\_inputs\_enr but only records are not yet calculate by Dataiku. Checking by DS\_APP\_dataiku.[site]\_optimization\_status table
5. DPS\_APP\_dataiku.[site]\_outputs/DPS\_APP\_dataiku.[site]\_optimization\_status The data from DPL.V\_FACT\_[site]\_inputs\_queue will process in Dataiku server and send the output and update status to these table
6. DM.V\_FACT\_[site]\_output get data from DPS\_APP\_dataiku.[site]\_outputs
7. DM.V\_FACT\_marginal\_[site] calculate based on tables on DS\_APP\_Robustify.[site]\_inputs and DPS\_APP\_dataiku.[site]\_outputs
8. DM.V\_FACT\_[site]\_input\_enr\_Tableau to change data from text to float for Tableau to use the input data

Remark: DM.[table] = DPL.[Table] The data will be the same but DPL will not have any calculation and the third party like Dataiku will read the data from DPL only.

## Talend Flow

Visual representation of data flow from sources to data presentation layer.

Include arrows and labels to illustrate the flow.  
White Industrial domain

Blue Sustainability domain

