# Technical Solution Design Preparation Document

## 2.1 Tools and Products considered while creating Technical Solution Design

- SAP S/4HANA/ SAP BW/4HANA: able to manage high volume of data with simplified modeling in real time;
- SAP Solution Manager: facilitate implementation and operation of applications by reducing manual work; already in use as the ALM Systems
- SAP Intelligent Agriculture/ SAP Farm Management by Vistex: works as the Farmer's Agenda and Crop Planner to manage tasks, facilitate decision making and improve sustainability
- SAP Transportation Management/ SAP Advanced Planning and Optimization: works as the Farmer Bookkeeper And Shipments Planner to forecast demand and plan supply network
- SAP Sustainability Footprint Management: conducts carbon accounting and provides insights to decarbonization

## 2.2 Solution used for similar customers Atlantic Blue Customer Success Story

1. Customer information: Berry producer operating in 3 continents with more than 1000 hectares of crops, and produced more than 16000 tons
2. Pain point: unable to establish a smooth data flow among different outsourced companies handling varietal development, designing plants, crop production and sales, and marketing
3. Technical solution: full integration using SAP S/4HANA
4. How: S/4HANA integrates purchasing, sales and finance department, and allows real-time data and oversight access

## 2.3 Identifying and closing gaps

| Gap | Solution |
| --- | --- |
| SAP BW on HANA approaching End of Life | Replace SAP BW on HANA with SAP BW/4HANA |
| No Carbon Footprint Management in place | Adopt SAP Sustainability Footprint Management |
| No real-time data provisioning/transformation capability | Adopt SAP Data Services to improve information management and unify unstructured data |

## 3.1 Incorporate Customer Feedback: regulatory and compliance requirements

- data protection regulations across countries: Data from the US, Brazil, India and Mexico will flow into EnvoData's systems in Germany. regulations such as GDPR in the EU needs to be evaluated.
- tax compliance across countries: As a multinational business, trade and tax regulations need to be evaluated.
- Environmental protection across countries: use of fertilizer and pesticides, waste and pollution management and sustainability standards need to be evaluated.

## 3.2 Incorporate Customer Feedback: transformation to HANA-based Analytics

- Description: SAP HANA-based Analytics for SAP Master Data Governance is not available within SAP S/4HANA, on-premise edition 1511 and higher
- Required and Recommended Actions:
  - Check if SAP HANA-based Analytics for SAP Master Data Governance is set up and running when SAP Master Data Governance is in active usage

- Check if content for SAP HANA-based Analytics for SAP Master Data Governance has been generated
  - Use transaction SLG1 and check if log entries for MDG_ANA_HANA are existing.
  - Check if generated content is available on one of the SAP HANA Databases that are connected to the according system. This can be done for example by looking for calculation view 'ChangeRequestHeader'.

## 3.3 Incorporate Customer Feedback: Fiori apps

- Inventory Analysis Overview: provides overview of inventory and market (stock value) information with prioritized actions to plan
- Access Customer Data Overview: provides simple access to customer data
- Master Data Governance, Mass Processing: manages master data for materials, customers and partners easily, allowing control of the data that customers and partners have access to
- Manage Business Partner Master Data: specifically manages business partners' data (create, change, search, display, and copy)
- Manage Customer Master Data: specifically manages customers' data (create, change, search, display, and copy)
- Master Data Process Overview for Business Partner: shows overview on both completed and open tasks, and the information of change request processes, consolidation processes, and mass processes allows improvement on task management

## 4.1 Managing customer requirements and feedback: SAP Solution Manager

- It identifies business needs and prepares realization via collaborative processes
- It documents specification of customer developments and developed code

## 5.1 Preparing for the Q-Gate: Prioritizing and Finalizing To-do List

main task: integrate GPS information in fleet management

| To do | Feasible? | Does it meet the Timeline? | Constraints? | MoSCoW Prioritization | Comments |
|---|---|---|---|---|---|
| install GPS on all vehicles and connect to the system | yes | yes | none | must have | keep, it is feasible, meets the timeline, and is a must-have |
| implement SAP Transportation Management | yes | yes | none | could have | consider return on investment: expected cost and time reduction by using the tool |
| establish communication channel to each vehicle | yes | yes | none | should have | keep, it is feasible, meets the timeline, and improves flexibility |