RenewAgra Technical Solution Design Exemplar

THE FUTURE OF CROPS

Where are we?

Start → **Fit-to-Standard Workshop Preparation** → Technical Solution Design – Initial Approach → Customer Feedback Incorporation → Redesign and Finalization of Technical Solution Design → Q-Gate and Signoff → End
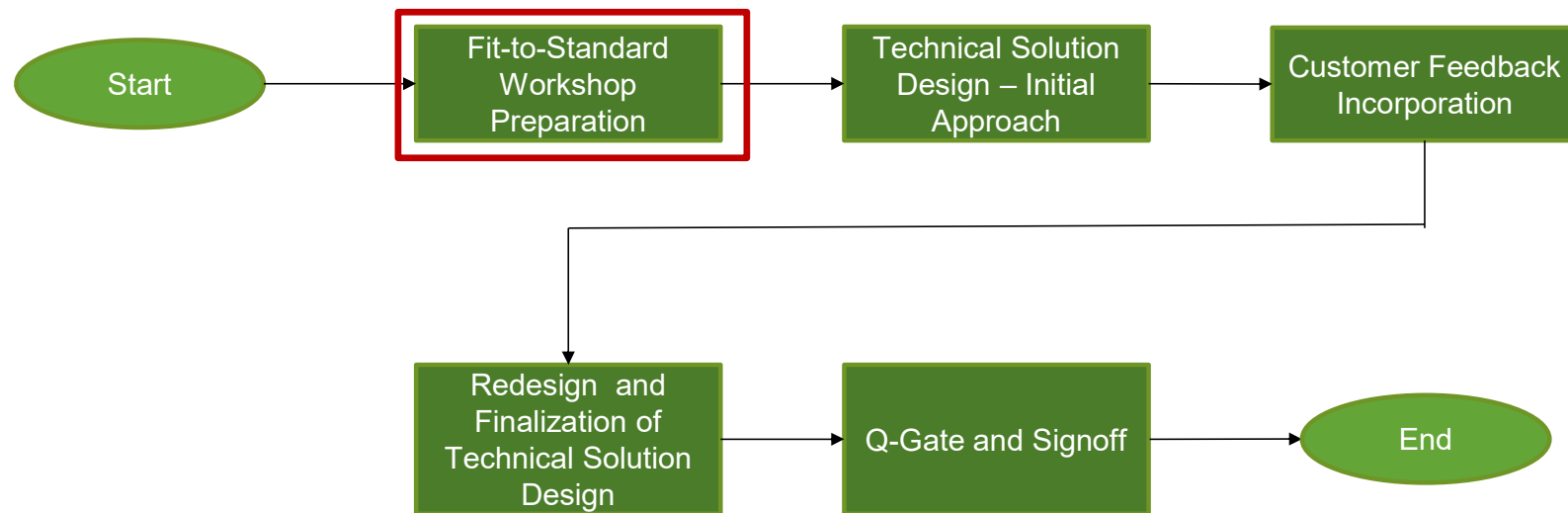
How does fit-to-standard work?

- **Every customer goes through a series of fit-to-standard workshops to create a backlog for adjusting the out-of-the-box standards.**

- **Matching business process to the SAP standard processes optimizes the solution configuration for the customer's requirements and the planned value is optimized.**

- **Workshops are organized around the functional areas of solution, best practices are presented and business requirements are identified, discussed and added to the backlog.**

- **Fit-to-Standard analysis uses an iterative approach to assure that integrated dependencies are addressed, and the results are used as input for configuring the solution.**

- **SAP Tools for Fit-to-Standard: Value Accelerators, SAP Signavio Manager, workspace and SAP Process Collaboration Hub**
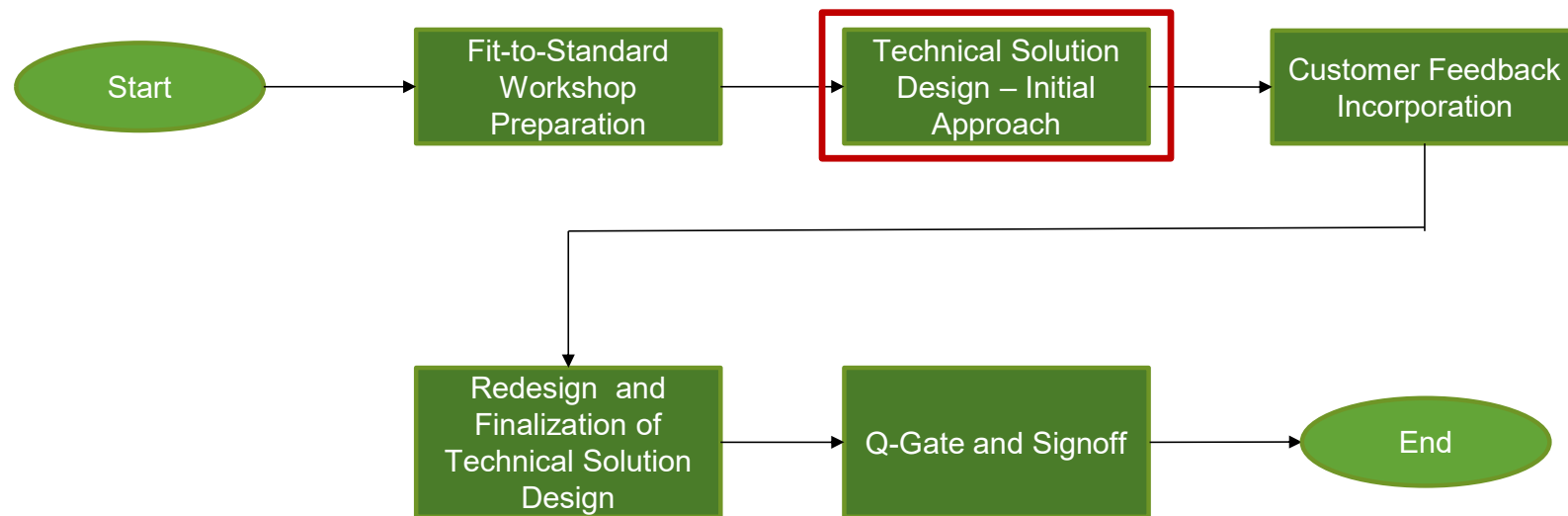
Example of a standard functionality
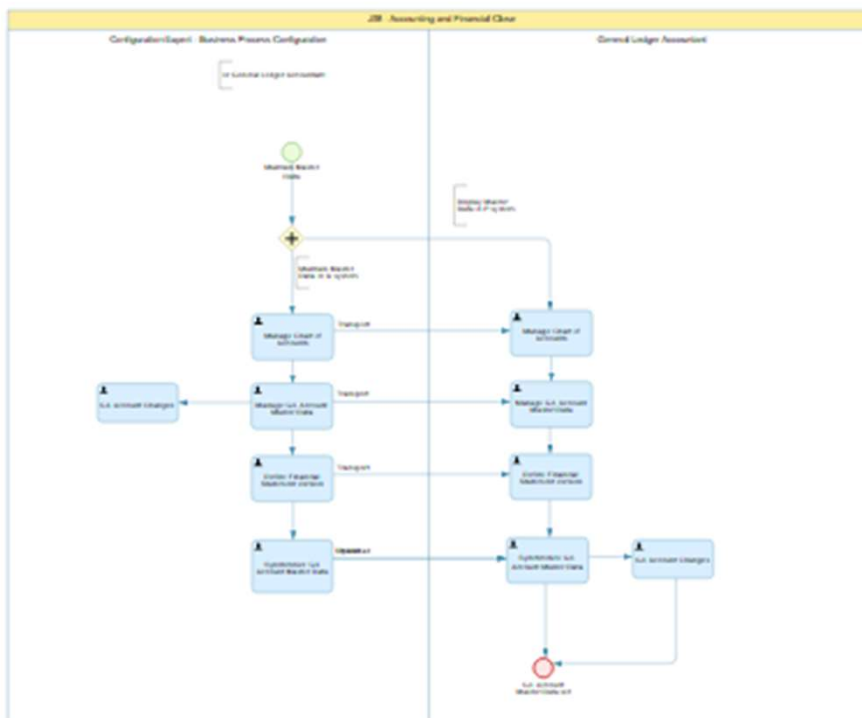
General ledger accounting serves as a complete record of all business transactions, providing a centralized, current reference for the rendering of accounts.

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What will we do? CropCo

Leverage EnvoData's outputs for operational planning and execution.

For Farmers

- Forecast yields, give notice for irrigation and provide extreme weather notifications

For Crop Planners

- Optimize machinery usage by effectively using data to maintain and optimize machinery.

What will we do? TransCorp

Optimize logistics and financial tracking with EnvoData's advanced forecasts.

Fleet Calendar
Availability, Predictive Maintenance, Carbon Footprint

Shipments Planner
Real-Time Monitoring of Land & Sea Transport with Re-Routing Capability

Farmer Bookkeeper
Commodities Tracker information, Market Needs Forecast, Achieved Revenue Reports, Revenue Forecast by Expected Yields

What will we do? EnvoData

Become the Central Hub for Advanced Agricultural Intelligence.

Business Solution

- EnvoData will provide all advanced capabilities, leveraging their systems. TransCorp and CropCo will be service Customers.

Technical Solution

- Replace SAP BW on Hana @ EOL with **SAP BW/4HANA**
- **SAP HANA Smart Data Quality (SDQ)** with **SAP HANA Intelligence Cloud**
- **SAP Sustainability Footprint Managent** with **Green Ledger**

How ready are we?

Business Solution

EnvoData will provide all advanced capabilities, leveraging their systems. TransCorp and CropCo will be service Customers.

EnvoData – Moderate to High Up-to-Date backbone with some gaps.

Cropco – Moderate, dependent on ease of consumption from EnvoData

TransCorp – Moderate but motivated because systems are antiquated.
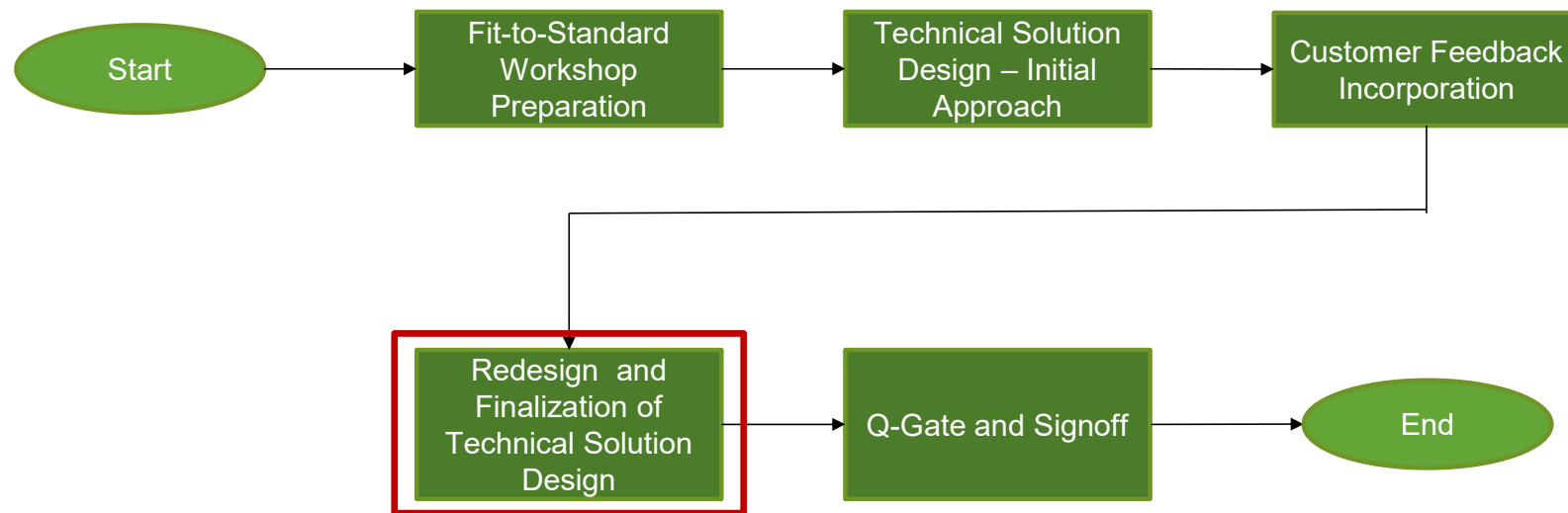
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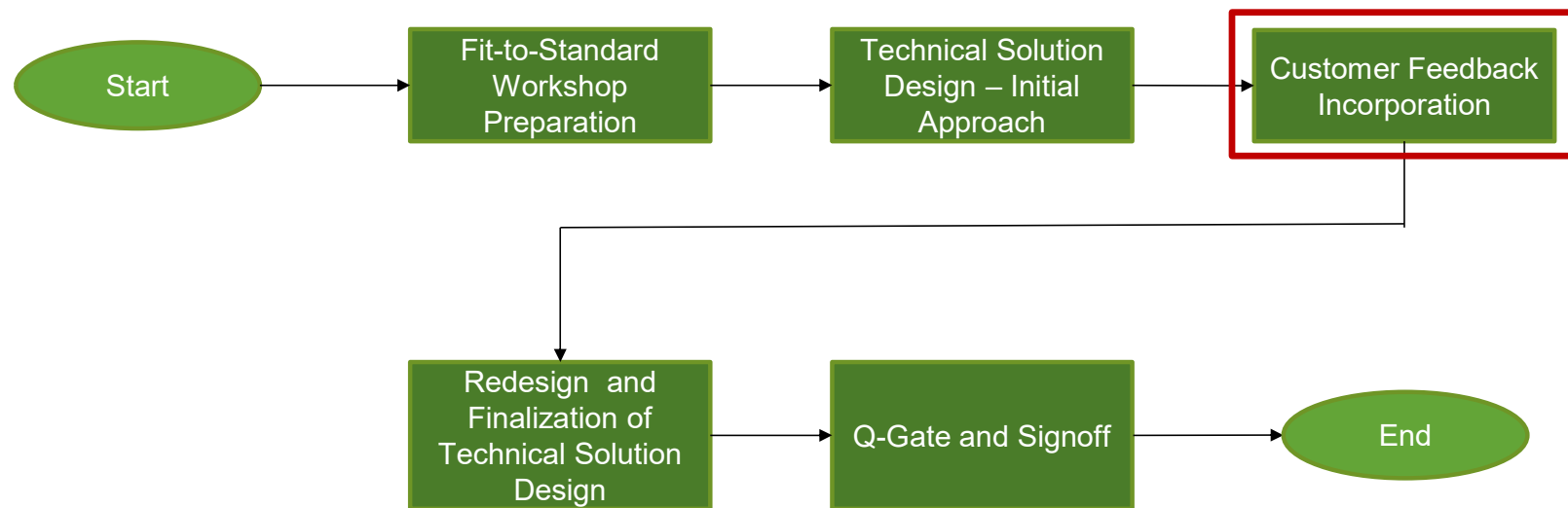
Addressing customer feedback

Customer Feedback	Resolution
Mobile apps for farmers	Blackberry devices limit farmer app adoption; prioritize **offline-capable iOS/Android apps** (requiring mobile dev skills). Web access is a potential fallback for Blackberry users, but won't offer full functionality.
Carbon footprint measurements	Due to timeline/scope, carbon footprint is removed from this project. SAP offers a solution that can be revisited later.
Fleet tracking – GPS	Good feedback and clarity, fleet tracking will be scheduled for full real time fleet tracking capability in 6 months.
Data protection regulations	Given multi-region data and German systems, data protection discussions are critical. The project scope must address security, data privacy, and governance. Legal/privacy experts are needed.
Analytical tools	No immediate delay. Phased EOL transition is excellent time to add BTP because some change is expected and additional functionality/benefits will aid in adoption.
Project tools	Up to date tools and existing skills will accelerate project.

Where are we?

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   ┌─────────┐      ┌──────────────┐      ┌──────────────┐      ┌──────────────┐
   │  Start  │─────▶│ Fit-to-Standard│────▶│Technical Solution│──▶│Customer Feedback│
   │         │      │   Workshop   │      │ Design – Initial │   │ Incorporation │
   └─────────┘      │  Preparation │      │    Approach    │   └──────────────┘
                    └──────────────┘      └──────────────┘
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- Start
- Fit-to-Standard Workshop Preparation
- Technical Solution Design – Initial Approach
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What will we do? CropCo

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- ~~SAP Sustainability Footprint Managent~~ with ~~Green Ledger~~ **(LATER PROJECT)**

What will we do? TransCorp

Optimize logistics and financial tracking with EnvoData's advanced forecasts.

Fleet Calendar
Availability, Predictive Maintenance, Carbon Footprint

Shipments Planner (Phased Implementation-SIX(6) Month delivery
Real-Time Monitoring of Land & Sea Transport with Re-Routing Capability

Farmer Bookkeeper
Commodities Tracker information, Market Needs Forecast, Achieved Revenue Reports, Revenue Forecast by Expected Yields

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- ~~SAP Sustainability Footprint Managent~~ with ~~Green Ledger~~ **(Later Project)**

RenewAgra – How ready are we?

Business Solution

EnvoData will provide all advanced capabilities, leveraging their systems. TransCorp and CropCo will be service Customers.

EnvoData – Moderate to High Up-to-Date backbone Ready for Phased Transition
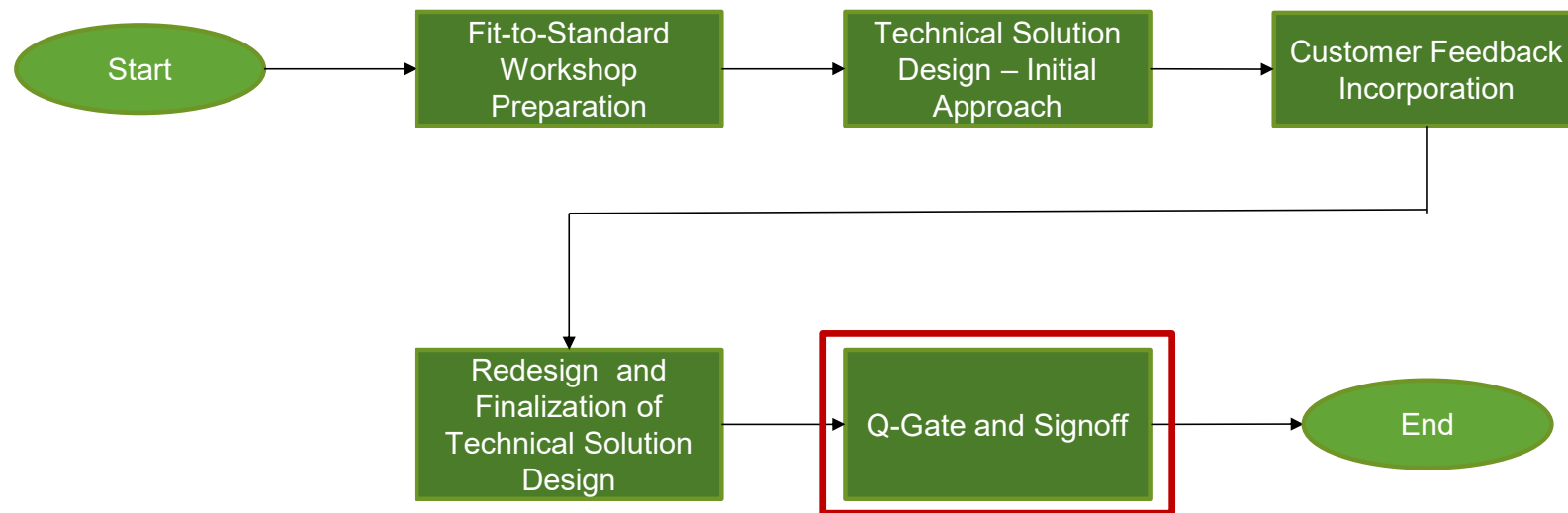
Cropco –   Moderate, dependent on ease of consumption from EnvoData. Much clearer understanding of specific adoption challenges. Removing carbon footprint simplifies immediate project focus.

TransCorp – Moderate but motivated because systems are antiquated. Removing carbon footprint simplifies focus and frees up schedule for GPS tracking in Six(6) months.

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RenewAgra – Product Backlog

Develop Mobile App for a farmer bookkeeper

Build the app, write test scripts and create end user material

RenewAgra – Q-Gate Checklist

Project Governance
-Project Plan with go-live and cut over phase
-customer project team and System Integrator team is in place with sufficient resources

Implementation Scope for Realize
-Fit-to-Standard Workshops executed and documented
-Relevant End-to-End Business Processess have be defined
-Relevant countries benn identified
-All SAP Integration scenarios are identified with pre-requisites clarified and fulfilled to integrate

Readiness for Realization and Additional Planning Aspects
-Provisioning of the Development system has been triggered by SAP for Me
-Configuration of the Automated Test Tool is planned
-Availability of business resources is ensured during the realize phase for the next set of activities planned for the subsequent sprints

RenewAgra – Lessons Learned

What went wrong? Did we ask enough questions?

- Insufficient Detail on Mobile Infrastructure. Led to late clarification for offline requirements and the blackberry issue.
- Carbon Footprint Priority was Assumed: should have confirmed immediate strategic priorities.

What went well? Has there been a good alignment of our solution with customer requirements?

- Understanding that S/4HANA is the core for solutions (Yes)
- ALM Maturity: ready to "get it on" (Yes)

Which approach was effective and did not need substantial changes?

- EnvoData as "Central Hub" and utilizing the SAP HANA Capabilities

What should have been done better?

- More comprehensive initial discovery for network communications & customer priorities.

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│  Finalization of │      │                  │      │                  │
│ Technical Solution│     └──────────────────┘      └──────────────────┘
│      Design      │
└──────────────────┘
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