

New MES server for Sanning (License plant Peroxides)

Project details

Phase	<input type="checkbox"/> Envision <input type="checkbox"/> Strategize
Status	IN PROGRESS UNDER REVIEW APPROVED NOT APPROVED
Start Date	<i>Enter the starting date of your initiative, by clicking on the calendar icon bellow - when you started to work on different step of the initiative</i> 04 Dec 2023
Initiative name <i>ID Provided by DT PMO</i>	New MES server for Sanning (License plant Peroxides)
Description of the initiative	<p><i>Explain the context and the initiative (current situation, linked to other initiative, pre-requisites).summary with key items:</i></p> <ul style="list-style-type: none">• Needs description• Added value• Budget estimated <p>Solvay has sold a license to produce 200 kt/y H2O2 to Sanning, a Chinese company in Hubei province in China.</p> <p>An operating service agreement was signed for at least 3 years. The operating service agreement requires that plant is monitored by making process and lab data available to Licensor Solvay.</p> <p>To ensure that Solvay can monitor and analyse the data in full autonomy, including after the 3 years agreement, a connection needs to be made to the Sanning systems to collect the required process and lab data. The data will be stored in an MES (InfoPlus.21) instance hosted and managed by Solvay.</p> <p>Aspen Connect will be the proposed solution for data connection, and a VPN system is supposed to be set between Solvay and Sanning environments</p>
Domain & Product	
Requested Domain Journey / Platform	<input type="checkbox"/> Platf1- Data & Analytics & AI Platform <input type="checkbox"/> Platf2 A- Develop, Test & Deploy Platform <input type="checkbox"/> Platf2 B- Multi experience Platform <input type="checkbox"/> Platf2 C- Ent. Business Systems Platform <input type="checkbox"/> Platf3 A- Ecosystem Platform <input type="checkbox"/> Platf3 B- Hybrid & Cloud Platform <input type="checkbox"/> Platf3 C- Intelligent Asset Platform <input type="checkbox"/> Platf4- Info Security and Compliance Platform <input type="checkbox"/> Platf5- Workplace Platform <input type="checkbox"/> Journ1- Digital Customer Journey <input checked="" type="checkbox"/> Journ2- Digital Ops & Corporate Enablement Journey <input type="checkbox"/> Journ3- Digital Employee Journey <input type="checkbox"/> Journ4- Prepare the Future & Connected Research Journey <input type="checkbox"/> DTmng3- DT Enablement & Transformation

Involved Domain Journey/ Platform	<input type="checkbox"/> Platf1- Data & Analytics & AI Platform <input type="checkbox"/> Platf2 A- Develop, Test & Deploy Platform <input type="checkbox"/> Platf2 B- Multi experience Platform <input type="checkbox"/> Platf2 C- Ent. Business Systems Platform <input type="checkbox"/> Platf3 A- Ecosystem Platform <input checked="" type="checkbox"/> Platf3 B- Hybrid & Cloud Platform <input checked="" type="checkbox"/> Platf3 C- Intelligent Asset Platform <input type="checkbox"/> Platf4- Info Security and Compliance Platform <input type="checkbox"/> Platf5- Workplace Platform <input type="checkbox"/> Journ1- Digital Customer Journey <input type="checkbox"/> Journ2- Digital Ops & Corporate Enablement Journey <input type="checkbox"/> Journ3- Digital Employee Journey <input type="checkbox"/> Journ4- Prepare the Future & Connected Research Journey <input type="checkbox"/> DTmng3- DT Enablement & Transformation
Initiative Ownership	
Digital Technology Partner	Didier Dago
Product Manager / Service Delivery	Gaëtan Frenoy
Roadmap & Key objectives	
Roadmap	Manufacturing Operations
2023 Digital Technology Key objective	Run the business
Priority	<i>Enter the level of priority of your initiative: P1 must do by day 1/ P2 can do/ P3 parked for now</i> Must do (contractual)

Phase 1: Envision - High level initiatives



Do

- Create Envision brief if the initiative is part of the validated roadmap
- Highlight roadmap value
- Request a budget for Strategize if you need one
- [Security scoring](#)
- [RADAR/SENTRI](#)



Don't

- Request platform resources if the business capability is already identified and clear
- Write portfolio epics, epics and user stories
- Identify squad resources

First, let's start with the Problem space

1.1. Reason

* Why is this initiative proposed today?

Solvay has sold a license to produce 200 kt/y H₂O₂ to Sanning, a Chinese company in Hubei province in China that includes a operating service agreement for a least 3 years. That operating service agreement requires that Solvay is monitoring the process and lab data of the production unit.

1.2. Benefits

What are the new capabilities expected?

To be able to monitor the licensee processing unit of Sanning and comply with the signed operating service agreement.

What will it replace? Is it a new solution or an existing one?

New MES (InfoPlus.21) server.

1.3. Target users

Who are the future users?

GBU Peroxides

What is the number of users impacted?

10

What about the Business Needs?

1.4. Value proposition

What is the value of the initiative?

Support the sale of the H₂O₂ license to Sanning

1.5. Business goals

How does the product / deliverable align with the business goals?

Ensure a proper monitoring of the licensed production unit, as defined in the operational service agreement

1.6. Challenges

Are there any challenges in developing the product?

- Connection with third party
- No local hardware

1.7. Business metrics

How will we measure success?

- MES server delivered
- Secured connection established with Sanning (using standard architecture)
- Access granted to authorized end users

1.8. Cybersecurity

Please duplicate [this template](#) in [this folder](#) . Then, for the envision phase , answer to the initiative card tab and to the 7 high-level questions in the "Security Scoring" tab. These questions will help the SIP team to determine the level of cybersecurity & compliance support you will need. Please contact the team by email: @ SIP_team@solvay.com

1.9. Up to investment

What is the coherent time to commit on the initiative?*

Estimated Delivery phase start date*	Estimated Delivered end Quarter*
01 Dec 2023	Q1 2024

What is the coherent money to commit on the initiative?*

	2023 (in K€)*	2024 (in K€)*	2025 (in K€)
Estimated size of investment (high level)	10k€	30k€	

What is the coherent run and build commit on the initiative?

Estimated run costs (estimation high level) per year on xxYear (xx= duration of the contract if known) + Type of run cost	Type of savings expected /year for DT (Ex: Contracts, FTE, ...)
2 AspenTech token for 8000 tags, approx. 3k€ / year (note: already paid in the current contract)	

1.10. Resources

What skills and talents do we need?

1.11. Methodology to apply (refer for Accolade)

Do you think if your initiative is compatible with a waterfall approach or with an agile approach?

Agile model
 Waterfall model
 I do not know at this stage

If the initiative will be done in Agile methodology, please contact during the strategize phase [Nicolas LOVAGNINI](#)

Phase 2: Strategize



Do

- Identify portfolio epics and epics within each portfolio epics
- Create a document / slide / spreadsheet to build your epics and put a link in the brief
- Estimate experts and budget by portfolio epics or by increment
- Show SMART KPI (Specific, Measureable, Achievable, Relevant, and Time-Bound)
- Evaluate the impact on Solvay One Planet objectives



Don't

- Identify squad resources (naming)
- Write user stories

Now, we can move on to the Solution space

2.0 Scope / Deliverables

What is your list of scope if waterfall initiatives (technical, functional & organizational) / deliverables foreseen? What are your list of Epics if Agile initiatives?

2.1. Actions to complete

Mandatory actions * (please contact them together if possible)		
Description of the action / task	Contact	Document & examples (please make your own copy and insert new link here)
Contact each relevant pool lead to book resources in the capacity planning tool <input type="checkbox"/> check once done to inform the contact ARPIN, Florine 06 Jan 2023	ARPIN, Florine	Complete Capacity planning tool
Complete Accolade <input type="checkbox"/> check once done to inform the contact Claire Bazin 06 Jan 2023	Claire Bazin	Complete Accolade
Review with Enterprise Architect the actual solution answering the objective <input type="checkbox"/> check once done to inform the contact Françoise BERGAME 06 Jan 2023	Françoise BERGAME (Structure)	Complete Architecture Impact Analysis (AIA) ARB & AIA
Check you have confirmed the involvement of each platform		Revert to SDM of each Platform
Identify security needs (Confidentiality, Integrity, Availability) and define security measures to be implemented by the initiative team <input type="checkbox"/> check once done to inform the contact Benjamin POISSONNET 06 Jan 2023	Benjamin POISSONNET	Complete the security questionnaire in " SIP Support tool "
Support for budget estimation (via the Workload & Cost), Financial evaluation (Total Cost of Ownership over 10Y), saving validation <input type="checkbox"/> check once done to inform the contact Jill Wilson 06 Jan 2023	Jill Wilson	W&C: to be filled in to Accolade in preparation phase TCO over 10Y: xxxx - Business Case/Financial evaluation 10Y

<p>If Data Governance is required: identify the business objects</p> <p><input type="checkbox"/> check once done to inform the contact Philippa de Glanville 06 Jan 2023</p>	<p>Philippa de Glanville</p>	<p>Data Governance Strategise for Initiative Briefs</p>
<p>Optional</p>		
<p>If any relation needed with a supplier</p> <p><input type="checkbox"/> check once done to inform the contact BLANCHER, Alexis 06 Jan 2023</p>	<p>BLANCHER, Alexis</p>	
<p>If it concerns a key supplier, a sourcing strategy has to be defined</p> <p><input type="checkbox"/> check once done to inform the contact Isabelle Auboeuf 06 Jan 2023</p>	<p>Isabelle Auboeuf</p>	
<p>If conformity by design is required</p> <p><input type="checkbox"/> check once done to inform the contact Emmanuelle Bureau 06 Jan 2023</p>	<p>Emmanuelle Bureau</p>	<p>GMP (pharma), ISO</p>

2.2. Users needs

What do users dislike about the current solution?

Applicable when a new solution is developed

What tools or features do your users wish to have?

What value will it add to the user's lives?

What alternative do we have?

2.3. Risk Analysis

What are the risks (refer to Risk analysis matrix in Accolade)?

2.3. Solvay One Planet Objectives

What is the qualitative assessment of Hardware/ Data processing/ Project's contribution to Solvay One Planet?

- Is the business ambition you will support improving or not sustainability?
- Will you increase or decrease the number of hardware we need to operate? How much ?
- Will you generate or transfer an important amount of data, especially videos? How much?