


Govt. Monitor:	Nicolas Herbaut	<div> Executive Status Report - 01/07/2024  BC24 <i>Report Prepared By: Hugo Marques</i> </div>
Tech. Lead:	Etienne Baumgartner	
Project Lead:	Quentin Tambone	
Resource Request. Approved. (Y/N):	Y	

This document constitutes a detailed account of our project, which serves to convey the overall progress status thereof. You will find all the links to our additional meeting summaries on Notion via the subsequent links

- [Meetings report : M1 Smart traceability](#)
- [Meetings report : All Project Manager](#) (M2,M1,L3)

EXECUTIVE MILESTONE OVERVIEW:

ID	Executive Milestones (minimum three)	Status	Baseline Completion Date	actual Completion Date	Degree (%) of Confidence	Change? (Yes, No, New)
E1	Requirements	✓	1/2/24	1/8/24	100%	Yes
E2	interface prototyping	✓	2/4/24	2/4/24	100%	Yes
E3	webapp development	✓	04/17/24	04/29/24	100%	Yes
E4	Data model NFC	✓	04/17/24	04/17/24	75%	Yes
E5	smartcontract development	✓	06/10/24	07/01/24	90%	Yes
E6	hardware prototyping	✓	06/10/24	06/10/24	70%	No
E8	Testing	✓	06/10/24	01/07/24	66%	No
E9	Projects integration	✓	1/07/24	1/07/24	60%	No

PROJECT STATUS SUMMARY:

Narrative Summary of Status	Schedule: YELLOW	Budget: YELLOW	Issues: YELLOW
<p>The main objective of this meta project is to work with the different groups of L3, M1, and M2 students to create a POC for a traceability system in the meat industry. This system will be completely secure, using blockchain technology. A POC is a "Proof Of Concept," which means it is a study of the feasibility and viability of a project.</p> <p>To achieve this, we will use NFC tags to identify the different resources, Raspberry Pi devices for reading these tags, and NFTs that will be linked to the various NFC tags. Additionally, we will use a blockchain to store all our NFTs, which will enable us to have complete tracking of resources and artifacts.</p> <p>This project is a human project that has kept evolving and involving. We had to work with two additional L3 teams as planned.</p>			

PROJECT MILESTONE STATUS REVIEW:

Project Plan ID	Project Milestones	Status	Baseline Completion Date	Expected Completion Date	Issues Exist (Yes/No)
1	Testing	in progress	06/10/24	before 01/07	Yes
2	intégration des différents modules	in progress	1/07/24	before 1/07/24	Yes
3	project review	in progress	6/24/24	before 01/07	Yes

PLANNED ACCOMPLISHMENTS SUMMARY:

Planned accomplishments for the coming two weeks:	
<ul style="list-style-type: none"> Blockchain's Stress Test Limit Testing Requirements and conformity of the final product PHP webapp Intégration Prepare the oral defense Project review and learning feedback 	

INTEGRATION MILESTONE STATUS REVIEW:

Milestones That Other Projects Are Dependent On:

ID	Integration Milestones	Projects Dependent On Integration Milestone	Status	Baseline Completion Date	Actual Completion Date	Degree (%) of Confidence	Change? (Yes, No, New)
11	Hiring & Onboarding	NFC Trace / Trace Connect	Done	17/04	27/05	100%	Yes
12	project management	NFC Trace / Trace Connect	Done	17/04	27/05	80%	Yes
13	Risk management	NFC Trace / Trace Connect	Done	17/04	27/05	80%	Yes
14	Backup	NFC Trace / Trace Connect	Done	17/04	27/05	100%	Yes
15	Integration	Raymond's internship	in progress	1/07	in progress		Yes

Project or Integration Milestones from Other Projects That This Project Is Dependent On:

ID	Project	Integration Milestone	Expected Completion Date	Complete (Y/N)	Integration Concerns (Y/N)
14	Trace connect	WebApp deliverable quality	17/04	Y	Y
15	NFC Trace	Communication between Python modules and PI and Security of RFID tags	17/04	N	Y
16	M2 création d'entreprise	Clear and precise requirement	01/07	Y	Y
17	Raymond's internship	Integration of the different components/modules	01/07	Y	Y
18	NFC Trace	API & security	27/05	N	Y

PROJECT ISSUES SUMMARY:

ID	Priority	Issue Description	Impact Summary (Milestone, Schedule Scope, Resources, Space...)	Action Steps
1	2	PHP issue 8.3	Time : Milestone schedule scope	Docker webAPP / OS update
2	1	SmartContract size	Space / ressource	State machine
3	2	Not generalized solution	Not ensuring all specs of the projects	State machine
4	4	I2C protocol breakout garden	Ressource / budget	Conception PCB
5	3	Onboarding	Time :Mission not finished / Human ressource	Hire a new team
6	2	product use case not well designed	rework and adapt UI/UX	development and design
7	2	Raspberry Pi hack	material not available for 1 day	fix and secure the Pi

PROJECT RISK SUMMARY:

ID	Priority	Probability of Occurrence	Risk Description	Impact Summary (Milestone, Schedule Scope, Resources, Space...)	Response Strategy
1	1	70%	Delivery Deadline / Quality of Deliverables	Schedule Scope	Weekly support and writing of US
2	2	70%	Integration issues in the end	Schedule Scope	Continuous integration

3	2	80%	<i>Project Management: Change in requirements</i>	<i>Schedule Scope and Humn ressource</i>	
4	3	100%	<i>Communication problems</i>	<i>schedule and schedule ressource</i>	<i>Define CPs which are responsible for communicating and relaying information</i>
5	6	50%	<i>Team members may require significant time to learn and adapt to new technologies, which could delay project progress.</i>	<i>Milestone , Ressources</i>	<i>Anticipate support and not leave a person alone on a new technology</i>
5	7	50%	<i>Delivery and hardware quality</i>	<i>Schedule scope and milestone (solution design could have been modified)</i>	<i>Hope</i>
6	8	30%	<i>A team member may fall ill during the period they are supposed to complete their tasks</i>	<i>Schedule scope</i>	<i>Anticipate and communicate about everyone's availability and capacity to do</i>
7	5	30%	<i>Leak of knowledge management</i>	<i>Human ressources</i>	<i>centralized and communicate</i>
8	4	60%	<i>Integration delay due to technical debts</i>	<i>Schedule scope</i>	<i>Anticipate</i>

EXECUTIVE ASSISTANCE REQUESTS:

ID	Description including reference to milestone impacted	Action Requested
	Smart contract size : smart contract deployment	Zoom with Mr N. Herbaut the sponsor
	alignment point with sponsor every 6 weeks : all the project	Zoom with Mr N. Herbaut the sponsor

PROJECT NOTES:

The BC24 project has allowed us to strengthen our team cohesion and enhance our skills in blockchain technology and IoT and project management, as well as tackle the challenges of integration specific to the meat industry.

Through this initiative, we developed a comprehensive blockchain system aimed at improving traceability, transparency, and efficiency within the supply chain.

Additionally, we had the opportunity to meet a lot of new peoples, which was very enriching. This exposure not only broadened our understanding of the industry's needs but also enabled us to establish valuable connections and gather diverse perspectives.

The collaborative effort required to address the unique technical and regulatory challenges presented by the meat industry has significantly contributed to our growth as a team and as professionals.