



Energy Market Management Platform for Moldelectrica

Item 5 - Contract execution schedule with
detailed stages according to specifications

April 10th, 2026

Table of Contents

1 Introduction	2
2 Timeline	3
2.1 Project phases	4
2.2.1 Project Initiation Phase	4
2.2.1.1 Summary	4
2.2.1.2 Duration	4
2.2.1.3 Description of the activities conducted in the phase	4
2.2.1.4 Pre-requisites to initiate the phase and actions required from Moldelectrica	5
2.2.1.5 Deliverables	5
2.2.2 Infrastructure and Core product delivery phase	5
2.2.2.1 Summary	5
2.2.2.2 Duration	6
2.2.2.3 Description of the activities conducted in the phase	6
2.2.2.4 Pre-requisites to initiate the phase and actions required from Moldelectrica	7
2.2.2.5 Deliverables	7
2.2.3 Minimum Viable Product development phase	8
2.2.3.1 Summary	8
2.2.3.2 Duration	8
2.2.3.3 Description of the activities conducted in the phase	8
2.2.3.4 Pre-requisites to initiate the phase and actions required from Moldelectrica	9
2.2.3.5 Deliverables	10
2.2.4 Full featured Product development phase	10
2.2.4.1 Summary	11
2.2.4.2 Duration	11
2.2.4.3 Description of the activities conducted in the phase	11
2.2.4.4 Pre-requisites to initiate the phase and actions required from Moldelectrica	12
2.2.4.5 Deliverables	12
2.2 Milestones	12
2.3 Gantt chart	14
3 Pre-requisites & assumptions	20
4 Out-of-scope	22
5 Signature	26

1 | Introduction

This document presents the **contract execution schedule** for the implementation of the Energy Market Management Platform for Moldelectrica. It outlines the overall implementation timeline, the major delivery phases, the key project milestones, and the main assumptions governing the execution of the project.

The objective of the project is to implement a modern Energy Market Management Platform that will replace the existing Market Management System (MMS) currently used by Moldelectrica. The implementation will be carried out through a structured and phased approach to ensure operational stability and a controlled transition of the Moldovan balancing market from the current system to the new platform.

The delivery model foresees several overlapping phases including project initiation, infrastructure setup, installation of core software components, development and go-live of a **Minimum Viable Product (MVP) after 6 months**, and subsequent delivery of the Full-Featured Product (FFP). The MVP phase enables the early availability of essential market functionalities while reducing implementation risks and allowing Moldelectrica to progressively adopt the new platform.

The proposed schedule also integrates supporting activities such as system design, infrastructure preparation, software configuration, development, testing, documentation, and training. Regular demonstrations and milestone validations will ensure transparency of progress and provide Moldelectrica with continuous visibility on the evolution of the system.

The present proposal is structured as follows:

- **Section 2** presents the overall project timeline, implementation phases, and contractual milestones.
- **Section 3** describes the key pre-requisites and assumptions required for successful project execution.
- **Section 4** outlines the elements that are explicitly considered outside the scope of the project.

2 | Timeline

The Consortium proposes a **delivery time of 6 months from the kick-off of the project to the go-live of the Minimum Viable Product (MVP)**. We are confident that this 6-month go-live is achievable and directly addresses Moldelectrica's strategic needs for the following reasons:

- **Base Product & Agile Delivery:** Our solution leverages a highly robust and proven base product line, capitalizing on the complementary strengths of the Consortium. We integrate existing, state-of-the-art modules developed by N-SIDE (such as the Power Matching Optimization engine) and Navitasoft (such as the Settlement, Scheduling and User Management modules). By utilizing these core components rather than building complex market logic from scratch, we significantly accelerate the delivery timeline. This base is paired with a highly disciplined Agile development methodology operating in 2-week sprints within a PRINCE2 governance framework. This approach not only allows us to rapidly configure the essential MMS modules, but also ensures Moldelectrica receives continuous, early feedback through regular sprint demo sessions scheduled every four weeks, guaranteeing the system aligns perfectly with user expectations prior to go-live.
- **Parallel Hardware & Software Streams:** To further compress the delivery schedule, the project will be executed using concurrent work streams. While Navitasoft and N-SIDE design, implement, and rigorously test the software application modules, Sandrologic will simultaneously deliver, and configure the on-premise hardware and infrastructure-level software and associated licenses. This parallel execution guarantees that the physical and virtual hosting environments (spanning the Production, Disaster Recovery, and Test systems across the fully redundant Main Site and Back-up Site) are technically ready well in advance, preventing any delays in Navitasoft's subsequent application installation and deployment activities.
- **Alignment with Urgent Market Goals:** Delivering a functional Minimum Viable Product (MVP) within 6 months perfectly aligns with Moldelectrica's strategic timeline, allowing rapid operationalization of the core functions necessary for the physical and wholesale market integration of the Moldovan energy sector with Europe. This early MVP deployment establishes a stable, future-proof foundation, giving the operators the necessary time to familiarize themselves with the platform before adding the remaining modules.

2.1 | Project phases

2.2.1 | Project Initiation Phase

2.2.1.1 | Summary

The main purpose of this phase is to formally launch the project, prepare and agree on the technical design to an adequate level of detail and set up the cooperation framework. During this phase, a detailed specification of the required software components, infrastructure architecture, and project management plans will be agreed upon to ensure a solid foundation for the implementation.

2.2.1.2 | Duration

The phase begins upon the signature of the Contract with the Project Kick-off (**Milestone M0: Kick-off**) and concludes with the formal acceptance of the specifications (**Milestone M1: Project and Technical Documentation Accepted**) after **3.5 months**.

2.2.1.3 | Description of the activities conducted in the phase

The following key activities will be conducted during this phase:

- **Project Kick-off:** Formal start of the project to align all stakeholders on goals, expectations, governance, and initial plans
- **Detailed Planning:** Establishing the Project Initiation Document, defining the detailed project timeline, and creating the initial Product Backlog to guide the Agile development sprints. Decision on which modules should be integrated in the Minimum Viable Product (MVP), and which ones should be postponed to the Full-Featured Product (FFP).
- **High-Level Design (HLD):** Organizing frequent workshops between the Consortium, the local partner, and Moldelectrica to define the conceptual, logical, physical, and deployment views of the target design, including architecture decisions, data templates, and APIs. During this phase, we will deliver the final version of the High-Level Design (HLD) document.
- **Agree on Training Plan:** Preparing and agreeing on a detailed training plan that outlines the schedule, content, and targeted audience (IT administrators, testing teams, operators, and support staff) for Moldelectrica's users.
- **Agree on Documentation Plan:** Defining the documentation package structure, expected formats, deadlines, owners, and approvers.

- **Define Test Planning:** Establishing the testing strategy and plans, including the definition of test stages, environments, test data requirements, and Pass/Fail criteria for acceptance.

2.2.1.4 | Pre-requisites to initiate the phase and actions required from Moldelectrica

The following elements are essential for the timely execution of the phase:

- **Signature of the contract** and the processing of the 10% advance payment
- **Appoint Governance Roles:** Moldelectrica must identify and appoint the Project Board, including the Moldelectrica Project Sponsor (Executive) and the Moldelectrica Project Manager (Single Point of Contact)
- **Active Participation:** Moldelectrica's business representatives and subject matter experts must actively participate in the design validation workshops and provide the necessary inputs in a timely manner.

No activities will commence prior to the formal signature of the contract by all parties. Any delay in the fulfilment of the obligations outlined above, or any other delay not attributable to the Consortium, shall result in a corresponding adjustment of the project timeline.

2.2.1.5 | Deliverables

At the conclusion of this phase, the following deliverables will be available:

- [D1.1] Project Initiation Document and Detailed Project Timeline
- [D1.2] Initial Product Backlog
- [D1.3] High-Level Design (HLD) document
- [D1.4] Detailed Training Plan and Documentation Plans
- [D1.5] Testing Strategy and Test Plans, encompassing the framework for all subsequent validation activities

The exact list and planning of deliverables for this phase will be further refined and confirmed during the Project Initiation Phase, in mutual agreement with Moldelectrica, to ensure optimal alignment with project needs and priorities.

2.2.2 | Infrastructure and Core product delivery phase

2.2.2.1 | Summary

The primary purpose of this phase is to commission the necessary hardware and infrastructure software, and to install the "out-of-the-box" base parts of the Market Management System (MMS) on this infrastructure, along with the required licenses.

2.2.2.2 | Duration

This phase commences shortly after the Project Kick-off and runs concurrently with the Project Initiation Phase. The phase officially ends after approximately **4 months** with the formal sign-off and achievement of **Milestone M2** (Hardware Components and Other expenses related to the contract accepted) and **Milestone M2.1** (License installation and acceptance).

2.2.2.3 | Description of the activities conducted in the phase

The following key activities will be conducted during this phase:

- **Environment Setup:** Initiating the project setup by preparing the DEV environments on the supplier side, and commencing the setup of the UAT, PROD, and Disaster Recovery (DR) environments on the client side.
- **Hardware Provision and Commissioning:** Procuring, delivering, and physically installing the hardware components at Moldelectrica's premise. This includes the infrastructure servers, switches, firewalls, tape storage for offline backups, and the setup of the operator workstations.
- **Infrastructure Software and Licensing:** Installing and configuring the base virtualization layer using Proxmox VE, deploying the Windows Server and MS SQL Server instances, and provisioning the Active Directory server
- **Platform and Middleware Installation:** Installing the underlying container orchestration platform (Kubernetes) and the core middleware, including the API Gateway, Kafka for message brokering, the ELK/EFK stack for logging, and Keycloak for OAuth/SSO and 2-Factor Authentication (2FA) integration
- **Out-of-the-box Module Deployment:** Deploying the proven, standardized core modules of the MMS developed by N-SIDE and Navitasoft to establish the foundation for the subsequent Minimum Viable Product (MVP) configuration.
- **Detailed Design (LLD) - focus on MVP:** Deliver the Low-Level Design (LLD) document focusing exclusively on the modules of the core product and the initial modules of the Minimum Viable Product. The detailed specifications for the remaining modules of the Full Featured Product will be defined iteratively afterwards. The LLD documentation will be built in an iterative way, prioritizing the modules that must be developed first, and strictly ensuring that the design for each module is formally reviewed and approved by Moldelectrica before the commencement of its specific implementation.

2.2.2.4 | Pre-requisites to initiate the phase and actions required from Moldelectrica

The following elements are essential for the timely execution of the phase:

- **Approved Design Documents:** Formal approval by Moldelectrica of the final High-Level Design (HLD) (completed in the Project Initiation Phase) before the start of the “Infrastructure and Core product delivery” phase. The standard analysis period for this approval is 14 days.
- **Data Center Readiness:** Moldelectrica must provide the necessary facilities at the Main and Back-up sites, including redundant power supply (UPS/Generator).
- **Physical Access:** Moldelectrica must grant the Consortium (specifically Sandrologic) escorted physical access to the server rooms to allow for the physical installation and cabling of the hardware.
- **Network Integration Support:** Moldelectrica must provide the necessary core switches for Sandrologic to connect the new MMS network using 1G or 10G SFP modules.

Any delay in the fulfilment of the obligations outlined above, or any other delay not attributable to the Consortium, shall result in a corresponding adjustment of the project timeline.

Furthermore, as the Consortium relies on third-party distributors for the procurement and delivery of the physical servers, networking equipment, related ancillary components and infrastructure-level software, any supply chain disruptions, manufacturing delays, or extended delivery lead times from these external partners that are beyond the Consortium’s reasonable control shall likewise constitute valid grounds for a corresponding adjustment of the project timeline.

2.2.2.5 | Deliverables

At the conclusion of this phase, the following deliverables will be available:

- [D2.1] Operational Hardware Infrastructure: Fully commissioned physical servers, storage, and networking equipment at the Main and Back-up sites.
- [D2.2] Operational Environments: Functioning DEV (supplier side) and UAT (client side) environments ready for application configuration.
- [D2.3] Activated Licenses: Installed and activated licenses for Proxmox, MS Windows Server, MS SQL Server, and any third-party application dependencies.

- [D2.4] Deployed Core Platform: A running instance of the out-of-the-box MMS platform and its required middleware (Kubernetes, Kafka, Keycloak, etc.)
- [D2.5] Low-Level Design (LLD) document, with the detailed specifications of the MVP modules.

The exact list and planning of deliverables for this phase will be further refined and confirmed during the Project Initiation Phase, in mutual agreement with Moldelectrica, to ensure optimal alignment with project needs and priorities.

2.2.3 | Minimum Viable Product development phase

2.2.3.1 | Summary

The objective of this phase is to design, implement, and validate a functional Minimum Viable Product (MVP) that delivers the core business capabilities with minimal but sufficient feature scope. The MVP will be production-ready from a stability and architectural perspective, while intentionally limited in functional width.

While the exact functional boundaries of the MVP will be formally agreed upon with Moldelectrica during the Project Initiation Phase, the execution schedule anticipates this initial scope to broadly encompass foundational capabilities. This is expected to include the initial deployment of market participant registration and master data management, basic scheduling processes, as well as early, essential functionalities of the balancing modules.

2.2.3.2 | Duration

This phase is designed to conclude exactly **6 months** after the commencement of the project, resulting in the achievement of **Milestone M3** (MVP Go-live). The phase runs through multiple agile development cycles and User Acceptance Testing (UAT) phases.

2.2.3.3 | Description of the activities conducted in the phase

The following key activities will be conducted during this phase:

- **Agile Development & Configuration:** The Consortium will execute continuous development operating in 2-week sprints. After two sprints, a potentially shippable software increment will be demonstrated and delivered to Moldelectrica, ensuring continuous alignment and early feedback.
- **Comprehensive Testing & Quality Assurance:** The Consortium will conduct continuous unit, functional, and Graphical User Interface (GUI) testing. Most

of those tests will be automated and integrated in the CI/CD pipeline. Sandrologic will lead the System Integration Testing (SIT) to verify connections with external systems (e.g., MDMS, SCADA), while Navitasoft and N-SIDE validate the internal module integrations. Furthermore, security scanning and critical Infrastructure Resilience and Disaster Recovery (DR) testing will be executed prior to go-live. Moldelectrica will conduct UAT on each intermediate release, and a longer UAT phase will be foreseen prior to the go-live on the final MVP release.

- **Documentation:** Navitasoft will coordinate the preparation of the comprehensive documentation package, delivering tailored User Manuals for operators and market participants, an Installation Manual for IT administrators, and the First-line support procedures.
- **Role-Specific Training:** We will conduct targeted, instructor-led training sessions (on-site and online) specifically designed for Moldelectrica's IT administrators, testing teams, operators, and 1st-line support agents.
- **Go-Live Preparation:** All critical and major defects will be resolved ahead of go-live. A complete go-live dry run will be conducted in the test environment to simulate real-world deployment conditions and guarantee operational readiness.
- **Stabilization and Early Life Support (ELS):** Immediately following the MVP go-live, the Consortium will execute a one-month ELS period by reinforcing 2nd-line and 3rd-line support teams, fully operationalizing the JIRA service desk, assisting the transition of 1st-line support responsibilities to Moldelectrica's trained personnel, and rapidly resolving any critical or major post-go-live defects via hotfixes.

2.2.3.4 | Pre-requisites to initiate the phase and actions required from Moldelectrica

The following elements are essential for the timely execution of the phase:

- **Agreed and Strictly Defined MVP Scope:** All parties must reach a reasonable and formal agreement during the Project Initiation Phase on the precise functional boundaries between the MVP and the Full Featured Product (FFP). The accelerated 6-month delivery timeline is strictly predicated on the MVP remaining intentionally limited to essential core capabilities. Should Moldelectrica elect to expand the MVP scope to include modules or complex functionalities appropriately suited for the FFP, the 6-month go-live timeline will no longer be viable and shall require a corresponding adjustment.

- **Approved LLD:** Formal approval by Moldelectrica of the Low-Level Design (LLD) before the start of the “Minimum Viable Product Development” phase. The standard analysis period for this approval is 14 days.
- **Infrastructure Readiness:** Successful completion of the Core Product Delivery Phase, ensuring the hardware, virtualization, and base platforms are fully operational (Milestones M2 and M2.1)
- **Timely Inputs:** Moldelectrica must provide the necessary business inputs for development and test data in a timely manner, at least two weeks prior to the respective development sprint.
- **Dedicated UAT & Training Resources:** Moldelectrica must allocate available, qualified business users and operators to actively participate in the sprint demos, training sessions, and UAT phase.

Any delay in the fulfilment of the obligations outlined above, or any other delay not attributable to the Consortium, shall result in a corresponding adjustment of the project timeline.

2.2.3.5 | Deliverables

At the conclusion of this phase, the following deliverables will be available:

- [D3.1] Operational MVP: A fully functional, tested, and deployed Minimum Viable Product running on the production infrastructure.
- [D3.2] Test Reports: Formal reports summarizing the results of the System Integration Tests (SIT), Disaster Recovery (DR) validation, and Security assessments.
- [D3.3] Training & Documentation: Completed training program alongside the delivered User Manuals, Installation Manuals, and Support Procedures as per the plan agreed during the Project Initiation Phase.
- [D3.4] Operational Service Desk: A fully functioning ticketing system accessible to Moldelectrica, N-SIDE, and Sandrologic. Support teams in place and trained.

The exact list and planning of deliverables for this phase will be further refined and confirmed during the Project Initiation Phase, in mutual agreement with Moldelectrica, to ensure optimal alignment with project needs and priorities.

The acceptance of the **Milestone M3** (MVP Go-live) will trigger the start of the 12-month free Warranty period. The 1st-year paid Support & Maintenance will start at the end of the free Warranty period, i.e. 12 months after the acceptance of Milestone M3.

2.2.4 | Full featured Product development phase

2.2.4.1 | Summary

The objective of this phase is to deliver the complete, fully scoped solution with all agreed functional and non-functional requirements implemented, optimized and production-hardened. Building upon the foundation of the MVP, this phase expands the system to its final target architecture. It introduces the remaining advanced functionalities, such as but not limited: Data Warehouse (DWH), comprehensive Reporting module, advanced Settlement and billing mechanisms (excluding the optional settlement of electricity transmission services), ...

2.2.4.2 | Duration

This phase commences immediately following the MVP Go-live and runs through successive development cycles. This phase will end at the latest 12 months after the signature of the contract with the formal sign-off and achievement of **Milestone M4** (Go live and Acceptance of FFP modules) and **Milestone M5** (Go Live and Acceptance of reporting).

2.2.4.3 | Description of the activities conducted in the phase

The following key activities will be conducted during this phase:

- **Detailed Design (LLD):** Finalizing the Low-Level Design (LLD) specifically for the remaining Full Featured Product (FFP) modules and securing Moldelectrica's formal approval prior to their respective implementation sprints.
- **Agile Development & Integration:** Continuing the 2-week development sprints. The Consortium will configure and integrate the remaining modules of the MMS.
- **Comprehensive Testing:** Executing rigorous and continuous unit and functional for each new functionality, while ensuring non-regression of the functionalities developed in the MVP. Sandrologic will lead the System Integration Testing (SIT) to validate the newly established external interfaces. Moldelectrica will continue to be involved in the UAT phases.
- **Training & Documentation:** Updating the comprehensive documentation package (User Manuals, Installation Manual, Support Procedures) to cover the newly delivered FFP functionalities. Navitasoft and N-SIDE will deliver the remaining advanced training sessions for Moldelectrica's operators, administrators, and testing teams.
- **Final Go-Live Preparation:** Organizing the final User Acceptance Testing (UAT) periods dedicated to the FFP modules. The Consortium will resolve any identified defects and coordinate the final production deployment of

the complete system. Train the support teams already in place on the new functionalities developed in the FFP.

2.2.4.4 | Pre-requisites to initiate the phase and actions required from Moldelectrica

The following elements are essential for the timely execution of the phase:

- **MVP Completion:** Successful go-live and operational stabilization of the Minimum Viable Product (Milestone M3)
- **Timely Inputs:** Moldelectrica must provide the necessary business inputs for development and test data in a timely manner, at least two weeks prior to the respective development sprint.
- **Dedicated UAT Resources:** Moldelectrica must continue to allocate qualified business users and subject matter experts to actively execute the final UAT scenarios and provide timely, structured feedback.

As with previous phases, any delay in the fulfilment of the obligations outlined above, or any other delay not attributable to the Consortium, shall result in a corresponding adjustment of the project timeline.

2.2.4.5 | Deliverables

At the conclusion of this phase, the following deliverables will be available:

- [D4.1] Operational FFP: The completely deployed, fully scoped Market Management System running in the production environment, encompassing all business modules, reporting, and integrations.
- [D4.2] Finalized Documentation: The complete, final versions of all technical, operational, and user documentation, including the final update of the Low-Level Design (LLD) document, with the detailed specifications of the FFP modules.
- [D4.3] Final Test Reports: Formal reports summarizing the different testing phases.

The exact list and planning of deliverables for this phase will be further refined and confirmed during the Project Initiation Phase, in mutual agreement with Moldelectrica, to ensure optimal alignment with project needs and priorities.

2.2 | Milestones

The table below presents the high-level intermediate milestones from kick off to final go-live. While the contracting authority has outlined a high-level payment structure in the tender documentation (specifically a 10% advance payment, 80% paid upon delivery and acceptance of equipment/licenses/services, and a final

10% upon complete system operation), the exact payment amount for each intermediate milestone (as a percentage of the total fee) will be discussed and finalized during the contract setup and negotiation phase.

During these negotiations, we will aim to subdivide the broad 80% delivery phase into smaller, more frequent payment milestones tied to our partial acceptance reports. These smaller payment milestones could fit well with the Agile delivery cycles allowing early pre-validation by Moledlectrica, while mitigating financial risks in the best interest of all parties.

Milestone(*)	Description	Amount	Indicative Due Date
M0	Kickoff - The start of the project	10% of Total Integration Fee	T0(**)
M1	Project - and Technical Documentation Accepted	80% of Total Integration Fee	T0 + 3.5 months
M2	Hardware Components and Other expenses related to the contract accepted		T0 + 4 months
M2.1	License installation and acceptance		T0 + 4 months
M3	Go-live of the MVP		T0 + 6 months
M4	Go live and Acceptance of FFP modules (excluding the reporting module)		T0 + 12 months
M5	Go Live and Acceptance of reporting	10% of Total Integration Fee	T0 + 12 months
M6	Start of the free Warranty period	0€	T0 + 6 months
M7	Start of paid license and S&M	1 year of S&M Fee	T0 + 18 months
M8	End of Contract	/	/

(*) Every demo after every two sprints counts as an official sub milestone which must be trained, tested, officially accepted and an official Release notes certificate must be signed by the Purchaser.

(**) T0 = Kick-off meeting



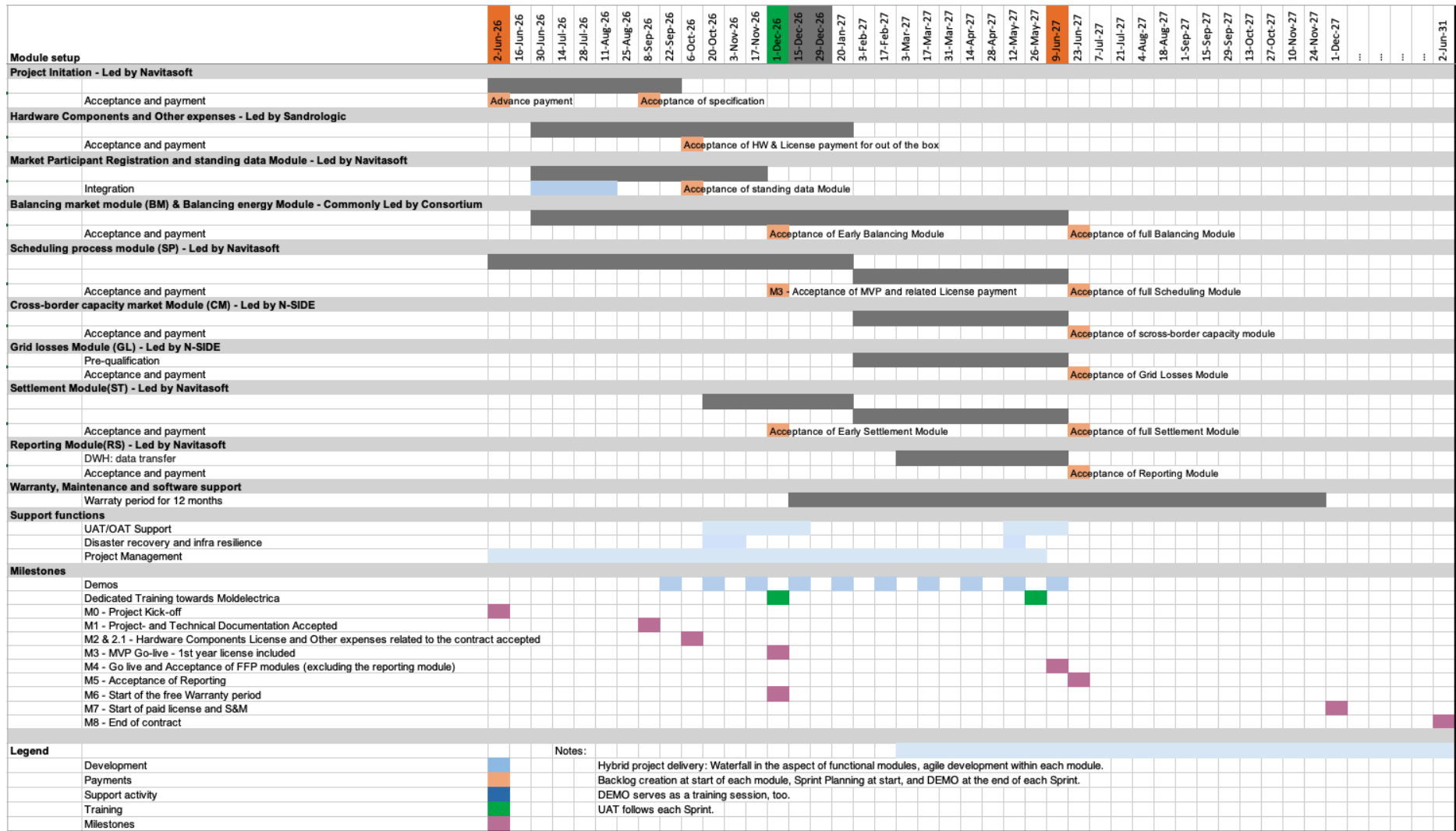
N-SIDE Restricted Customer/Partner data

2.3 | Gantt chart

Due to the time length and the tasks to be executed, the timeline is shown at a high level below and then in four sections showing all tasks under each Module.



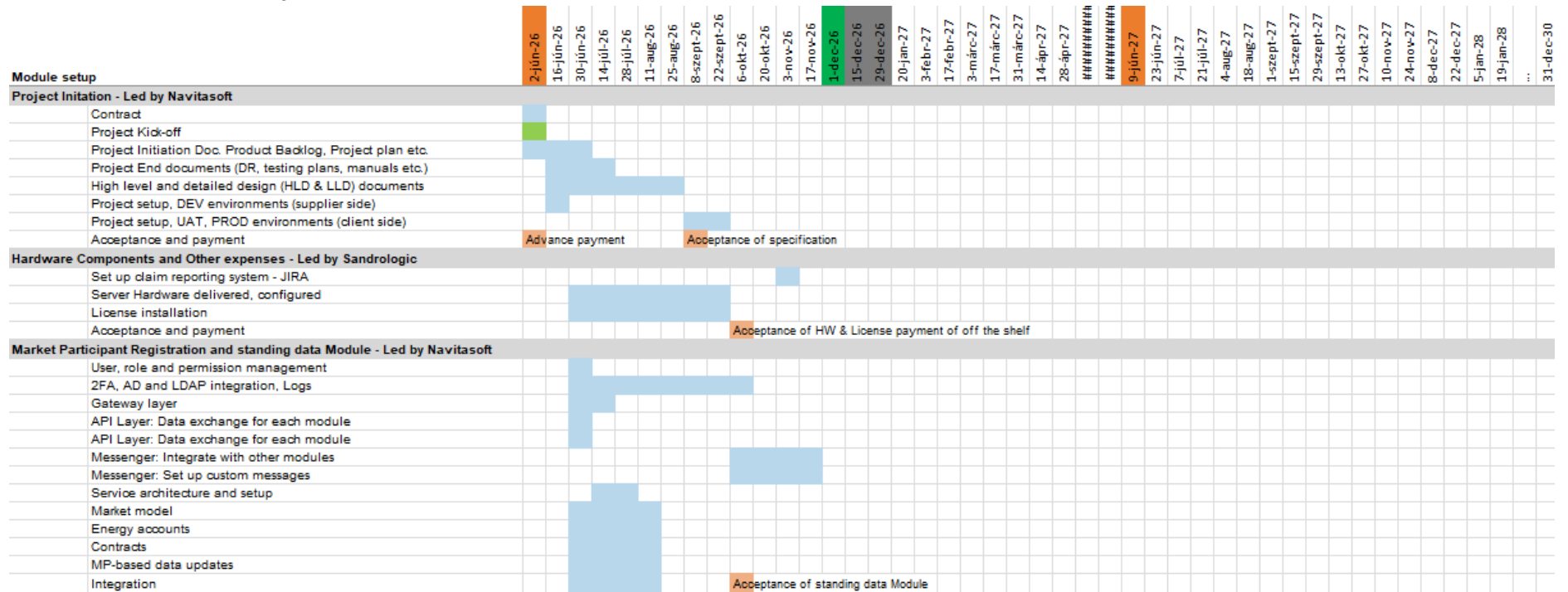
N-SIDE Restricted Customer/Partner data





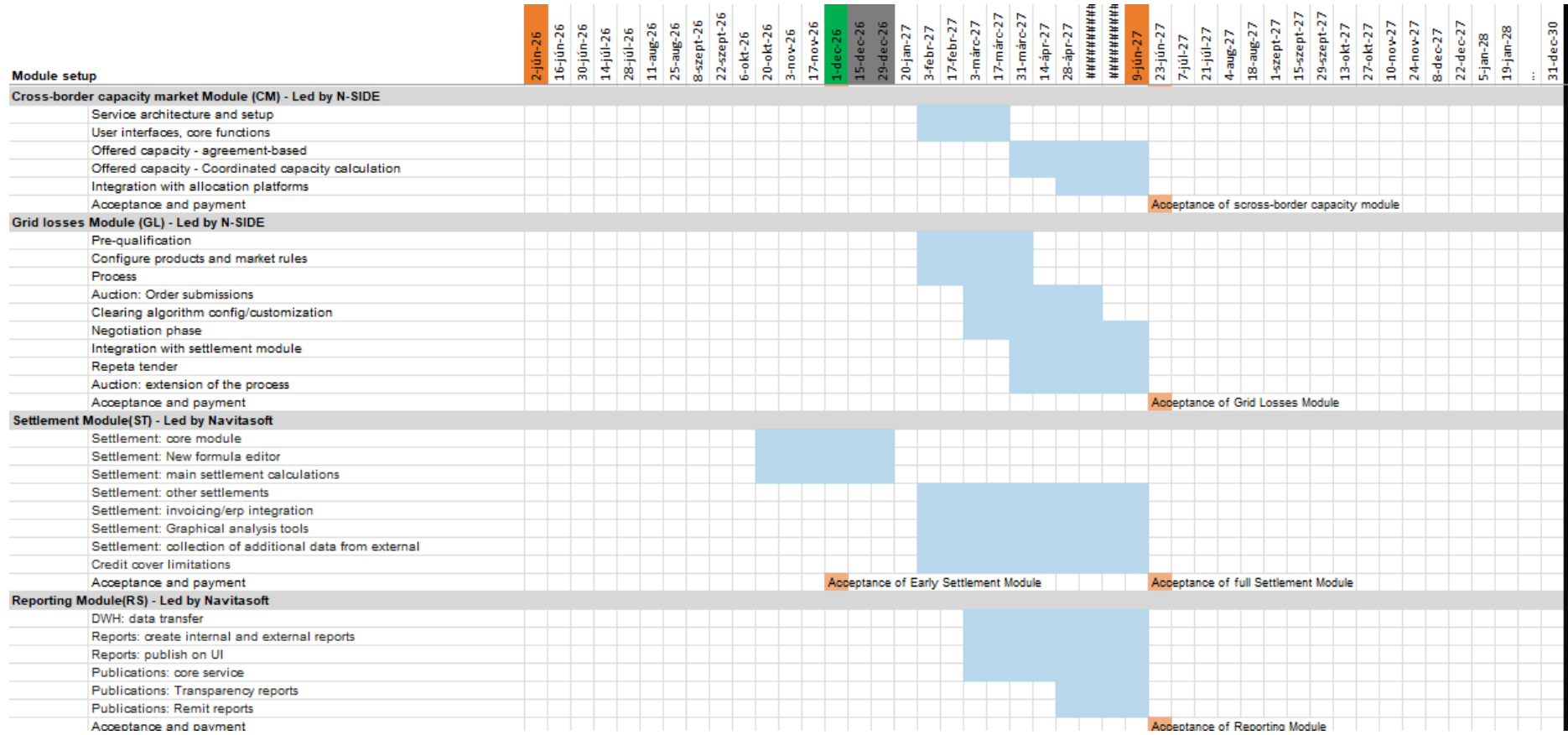
N-SIDE Restricted Customer/Partner data

Section 1 of 4 of the Project Plan





Section 3 of 4 of the Project Plan



3 | Pre-requisites & assumptions

The successful delivery of the Market Management System (MMS) is built on a strong and transparent partnership, a clearly defined scope, and disciplined yet flexible planning. We are fully committed to working collaboratively with Moldelectrica to ensure a smooth and efficient implementation aligned with your strategic objectives.

The conditions, operational dependencies, and pre-requisites outlined in this section are intended to provide a clear framework under which the proposed delivery timeline and associated financial terms remain valid. Should any of these assumptions evolve during the project, all parties agree to engage in open and good-faith discussions to identify practical solutions and agree on any necessary adjustments. Our objective is to remain responsive, pragmatic, and easy to work with, ensuring that the project continues to progress successfully while adapting to Moldelectrica's needs.

Key assumptions and pre-requisites:

- **Signature of the contract:** No activities will commence prior to the formal signature of the contract by all parties.
- **Agreed and Strictly Defined MVP Scope:** Both parties must reach a formal, reasonable agreement during the Project Initiation Phase on the precise functional boundaries between the MVP and the Full Featured Product (FFP). The accelerated 6-month delivery timeline is strictly predicated on the MVP remaining intentionally limited to essential core capabilities.
- **Timely Approval of Design Documents:** Moldelectrica's prompt review and formal approval of the High-Level Design (HLD) and the iterative Low-Level Design (LLD) documents within the standard 14-day analysis period is an essential prerequisite before the commencement of the respective implementation sprints.
- **Inputs from Moldelectrica:** The planned Agile project schedule is only applicable if Moldelectrica provides the business inputs necessary for development in a timely manner, specifically at least two weeks prior to the respective development sprint.
- **UAT Team Moldelectrica:** The desired level of progress and the accelerated 6-month Minimum Viable Product (MVP) timeline require active participation from Moldelectrica's experienced users. These users, who possess deep knowledge of the business processes, must be available to test the developed functionality every two weeks during sprint demos,

actively participate in Business Workshops, and answer domain-specific questions. During the dedicated User Acceptance Testing (UAT) phases, Moldelectrica must allocate these qualified business users to execute end-to-end business process validation.

- **Data Center Readiness and Network Integration:** Moldelectrica must provide the necessary facilities at the Main and Back-up sites, including redundant power supply connected to UPS and Generators. Furthermore, Moldelectrica must grant the Consortium escorted physical access to the server rooms for hardware installation and provide the necessary core switches to allow Sandrologic to connect the new MMS network using 1G or 10G SFP modules.
- **Hardware and Infrastructure-Level Software Cost and Availability:** The Consortium relies on third-party distributors for the physical servers, networking equipment and infrastructure-level software. Any supply chain disruptions or extended delivery lead times from these partners that are beyond the Consortium's reasonable control shall constitute valid grounds for a corresponding adjustment of the project timeline. Furthermore, hardware and infrastructure-level software licenses costs provided during the bidding phase are indicative estimates based on budgetary pricing obtained from third-party distributors (quote available on request); final pricing is subject to formal quotation from third-party distributors at the time of procurement. In the event that the final procurement price exceeds the above-mentioned budgetary estimates, the price difference shall be borne by Moldelectrica. Conversely, should the final price be lower than the budgetary estimates, Moldelectrica will only be invoiced for the actual procurement cost, and no additional amount will be charged.
- **Optional Settlement Functionality:** As specified in the tender, the settlement of electricity transmission services is an optional functionality and is therefore not included by default in the core cost and timeline. Should Moldelectrica activate this option, it is offered at a separate price of 20 000€. This pricing is based on the assumption that the solution covers meter data collection and validation, tariff management, and the calculation of transmission charges for Suppliers and DSOs, including multi-level allocation logic. It also includes user interface components for managing accounts and formulas, as well as very basic data driven integration with external systems ERP for the purpose of data forwarding.
- **Payment Milestone Sub-division:** While the contracting authority envisions an 80% payment bracket upon delivery, the Consortium operates under the assumption that the exact payment amounts will be discussed during

contract negotiations to allow for smaller, intermediate payment milestones tied to partial acceptance reports (such as the MVP Go-Live).

4 | Out-of-scope

To ensure clarity, transparency, and effective project governance, the following items are considered outside the current scope of this proposal. Clearly identifying these elements allows all parties to maintain alignment on priorities, budget, and delivery commitments.

Should any of these items become required during the course of the project, we will gladly assess them in detail and provide a transparent analysis of the associated effort, costs, and potential impact on the project timeline. Any such additions will be addressed collaboratively and in good faith, with the objective of identifying the most suitable and efficient way forward while preserving overall project success.

Out-of-scope elements:

- **Extensive Performance Testing:** The Consortium will ensure that the system operates in accordance with the functional, availability, and reliability requirements defined in the tender. Dedicated load, stress, or large-scale performance benchmarking campaigns are not explicitly requested and are therefore not included as standalone deliverables within the base scope. Should specific performance testing protocols be required, they may be addressed through the agreed governance and change management framework. This approach is justified by the fact that the expected number of users and anticipated transaction volumes are significantly lower than the operational capacities typically supported by the software solutions of Navitasoft and N-SIDE in other production environments. The proposed platform is therefore dimensioned well within proven operational thresholds. In addition, the User Acceptance Testing (UAT) phase will validate the complete end-to-end workflow of the platform under realistic operating conditions and with a representative number of users, providing practical confirmation of system performance in line with Moldelectrica's needs.
- **Security Penetration Testing:** The tender documentation specifies security requirements related to access control, authentication, authorization, and data protection; however, it does not explicitly require the execution of

formal penetration testing or independent third-party cybersecurity assessments. The engagement of a qualified third party to perform penetration testing shall remain the responsibility of Moldelectrica. The Consortium will cooperate with such third-party assessments by providing the necessary technical information, support, and fixing any found defects that impose a high vulnerability risk. The analysis and remediation of critical defects identified in the Consortium's delivered solution because of such testing are included within the scope of the project. Consortium will remedy the defects found because of penetration testing but will not increase the major version of the technical components and layers (eg. Java) as part of the scope.

- **Market rule definition and legal interpretation:** The definition, drafting, amendment, or legal interpretation of Market Rules is outside the scope of the Consortium's responsibilities. The Consortium will implement the rules as formally provided and approved by Moldelectrica. Any clarification of ambiguities or legal inconsistencies in regulatory texts remains under Moldelectrica's responsibility.
- **Regulatory approval management:** The management of regulatory approval processes, including formal submissions, coordination with regulatory authorities, and response to regulatory observations, is outside the scope of the Consortium. The Consortium may provide technical inputs upon request, but responsibility for regulatory interactions remains with Moldelectrica.
- **Data cleansing and historical data reconstruction:** Data cleansing, correction of legacy data inconsistencies, reconstruction of missing historical data, and reconciliation of past settlements are outside the scope of the Consortium unless explicitly included in the contract. The Consortium will rely on data provided by Moldelectrica as accurate and validated.
- **Modifications to external systems:** Any modifications, upgrades, configuration changes, or defect corrections in third-party or external systems (including market participant systems or other TSO platforms) are outside the Consortium's scope. The Consortium is responsible solely for the correct implementation of its own system interfaces as specified.
- **Infrastructure and Hardware beyond the defined project scope in the tender documentation:** Corporate IT infrastructure upgrades, network

redesign, enterprise-wide cybersecurity frameworks, sensitive data processing, or other organization-wide IT transformations are outside the scope of the Consortium. Based on the Tender documentation the hardware is planned to be scalable and cover the load of Moldova AS-IS requirements and TO-BE needs. The price of the Hardware is indexed to the current market price of the items submitted by market leader vendors and reflect the current market price at the date of the submission of the tender. The submitted price is capped.

- **Operational market support after Go-Live:** Ongoing operational market support, business process outsourcing, or provision of helpdesk services to market participants are outside the scope of the Consortium, unless expressly included under a separate support and maintenance agreement.
- **Business process redesign:** The redesign of internal business processes, or development of internal operational procedures beyond system usage guidance is outside the scope of the Consortium. The system will support defined processes but will not redefine them.
- **Regulatory changes after contract signature:** Any regulatory changes, including but not limited to, introduction of new market products, new cyber security requirements, or material modifications to market mechanisms occurring after contract signature that impact system design or functionality shall be treated as change requests and managed under the agreed change management procedure.
- **External cybersecurity certifications and national compliance audits:** Obtaining national cybersecurity certifications, formal compliance audits (e.g., NIS2 or equivalent), or engagement of accredited external cybersecurity bodies is outside the scope of the Consortium.
- **Translation of the documentation and training materials:** The translation of project documentation and training materials into languages other than English is outside the scope of the Consortium's responsibilities. This includes, but is not limited to, user manuals, operator guides, administration guides, support procedures, and training materials. All deliverables will be provided in English. However, upon Moldelectrica's request, a Romanian/Russian interpreter can be provided for the duration of the training sessions at additional charge. This provision applies strictly to live training meetings and does not include the translation of written materials.

- **Engagement with market participants:** Consultation with market participants regarding major changes that impact them is out of scope of the Consortium's responsibilities. Likewise, direct communication to market participants concerning release content or explanations of system functionality is excluded from scope. These activities remain under the responsibility of Moldelectrica. Also, the Consortium shall not provide any support for the market participants in their effort to engage electronically with the MMS.
- **Training of market participants:** Direct training of market participants is out of scope for the Consortium. It is the sole responsibility of Moldelectrica to train the partners on how to use the system.



N-SIDE Restricted Customer/Partner data

5 | Signature

N-SIDE SA

Name: Quentin Grutman representing RCG SRL

Title: CEO

Date: avril 9, 2026

Place: Louvain-la-Neuve

Signature: _____

Signé par :
Quentin Grutman
DA14594ACD1A4BF...

Navitasoft Zrt

Name: Zoltan Hadju

Title: CEO

Date: April 9, 2026

Place: Budapest

Signature: _____

Signed by:
Zoltan Hadju
E8F8DC107B0346A...

Sandrologic Group

Name: Serghei Takovsk

Title: CEO

Date: April 9, 2026

Place: Chisinau

Signature: _____

Signed by:
Serghei Takovsk
2CD5923CD63D457...