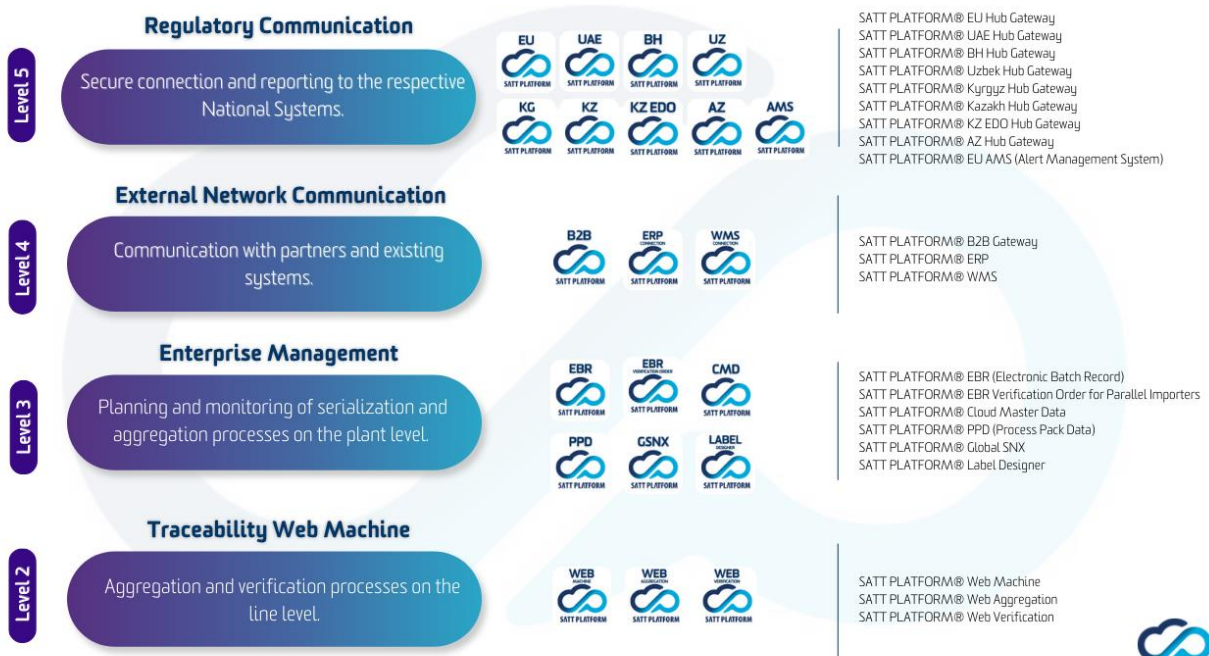# SATT PLATFORM® Services – Solution List

The SATT PLATFORM® is a comprehensive SaaS solution that offers end-to-end traceability and compliance to pharmaceutical companies while leveraging state-of-the-art cloud infrastructure design.

Traceability Web Machine	Enterprise Management	External Network Communication	Regulatory Communication
SATT PLATFORM® Web machine	SATT PLATFORM® EBR	SATT PLATFORM® Communication Cloud	SATT PLATFORM® Hubs
LEVEL 2	**LEVEL 3**	**LEVEL 4**	**LEVEL 5**

Regulatory Communication

Level 5

Secure connection and reporting to the respective National Systems.

EU | UAE | BH | UZ
KG | KZ | KZ EDO | AZ | AMS

SATT PLATFORM® EU Hub Gateway
SATT PLATFORM® UAE Hub Gateway
SATT PLATFORM® BH Hub Gateway
SATT PLATFORM® Uzbek Hub Gateway
SATT PLATFORM® Kyrgyz Hub Gateway
SATT PLATFORM® Kazakh Hub Gateway
SATT PLATFORM® KZ EDO Hub Gateway
SATT PLATFORM® AZ Hub Gateway
SATT PLATFORM® EU AMS (Alert Management System)

External Network Communication

Level 4

Communication with partners and existing systems.

B2B | ERP CONNECTION | WMS CONNECTION

SATT PLATFORM® B2B Gateway
SATT PLATFORM® ERP
SATT PLATFORM® WMS

Enterprise Management

Level 3

Planning and monitoring of serialization and aggregation processes on the plant level.

EBR | EBR VERIFICATION ORDER | CMD
PPD | GSNX | LABEL DESIGNER

SATT PLATFORM® EBR (Electronic Batch Record)
SATT PLATFORM® EBR Verification Order for Parallel Importers
SATT PLATFORM® Cloud Master Data
SATT PLATFORM® PPD (Process Pack Data)
SATT PLATFORM® Global SNX
SATT PLATFORM® Label Designer

Traceability Web Machine

Level 2

Aggregation and verification processes on the line level.

WEB MACHINE | WEB AGGREGATION | WEB VERIFICATION

SATT PLATFORM® Web Machine
SATT PLATFORM® Web Aggregation
SATT PLATFORM® Web Verification

LEVEL 5
Regulatory Communication

UAE	**SATT PLATFORM® UAE Hub Gateway** **SATT PLATFORM® UAE Hub Gateway** provides an automatic connection and data exchange between the UAE National Track & Trace System - Tatmeen digital platform and all supply chain actors (MAHs, Manufacturers, Licensed Agent, Brand Owners, Wholesalers, Distributors, etc.). The system supports Authority Permit data, all reporting events, and functionalities, required by the UAE Ministry of Health and Prevention ("MOHAP").
EU	**SATT PLATFORM® EU Hub Gateway** **SATT PLATFORM® EU Hub Gateway** provides an automatic connection and data exchange between EU HUB (EMVO system) and all stakeholders within the supply chain, including MAHs and PIs. This solution facilitates the effortless uploading and updating of Product Master Data (PMD) and Product Pack Data (PPD) onto the EMVO system. Our system enables efficient batch reporting and status verification, along with real-time updates of serial number statuses, all in alignment with the latest URS document established by EMVO. SATT PLATFORM® EU Hub Gateway is designed to handle all incoming messages and alerts from EMVS, ensuring a streamlined and responsive communication flow.
KZ	**SATT PLATFORM® Kazakh Hub Gateway** **SATT PLATFORM® Kazakh Hub Gateway** establishes an automatic connection and facilitates seamless data exchange between the Kazakhstan National Track & Trace System - IS MPT and all participants across the supply chain, including MAHs, Manufacturers, Importers, Wholesalers, etc. This solution empowers users to effortlessly request and receive cryptographic protection, encompassing crypto keys and signatures for each serial number.

	Furthermore, it supports the publishing of serialization and aggregation reports with unlimited data volume, specifically aligned with the latest National Regulatory Authority requirements. Our system caters to a comprehensive array of functionalities as mandated by IS MPT, ensuring that all necessary requirements and operations are seamlessly supported.
KZ EDO	**SATT PLATFORM® KZ EDO** **SATT PLATFORM® KZ EDO** facilitates communication and data exchange between the Kazakhstan ЦЭДМ system and participants in the supply chain (importers, distributors, wholesalers, and registration certificate holders). The system is designed to ensure traceability of marked goods through document generation.
UZ	**SATT PLATFORM® Uzbek Hub Gateway** **SATT PLATFORM® Uzbek Hub Gateway** provides an automatic and secure connection and data exchange between Uzbek National Track & Trace System - Asl Belgisi and all supply-chain participants. The solution enables requesting and receiving the cryptographic protection (for each serial number) and publishing the serialization and aggregation reports with unlimited data volume, in accordance with the latest "CRPT TURON" LLC requirements. SATT PLATFORM® Uzbek Hub Gateway allows our customers to obtain a complete set of statuses and functionalities as required by Asl Belgisi, ensuring that all Customer requirements and operations will be supported to ensure continuity and smoothness.
KG	**SATT PLATFORM® Kyrgyz Hub Gateway** **SATT PLATFORM® Kyrgyz Hub Gateway** provides an automatic and secure connection and data exchange between Kyrgyz National Track & Trace System for pharmaceutical products and medical devices – ИС ЭБД (IS EBD) and all participants across the supply chain, including MAHs, Manufacturers, Importers, Wholesalers, etc. The solution allows final batch data upload and publishing of the serialization and aggregation reports following the latest National Regulatory Authority requirements.

	SATT PLATFORM® Kyrgyz Hub Gateway supports all possible functionality, required by ИС ЭБД (IS EBD).
	SATT PLATFORM® AZ Hub Gateway **SATT PLATFORM® AZ Hub Gateway** provides an automatic and secure connection and data exchange between the Azerbaijan National Track & Trace System for pharmaceutical products – Dərman Vasitələrinin Təqib və İzləmə Sistemi (DVTIS) and all participants across the supply chain. The solution allows final batch data upload and publishing of the serialization reports following the latest Azerbaijan National Regulatory Authority requirements. SATT PLATFORM® AZ Hub Gateway supports all possible statuses and functionality required by DVTIS system.
	SATT PLATFORM® BH Hub Gateway **SATT PLATFORM® BH Hub Gateway** provides a connection and data exchange between Bahrain National Track & Trace System - NHRA-MVC Traceability Hub and all stakeholders (MAHs, Manufacturers, Exporting Distributors, Agents/Importers, and Dispensers, etc.). allows uploading the required product and location master data of imported or produced medicines. SATT PLATFORM® BH Hub Gateway will support all incoming messages (alerts) from the NHRA-MVC Traceability Hub, following the latest National Regulatory Authority (NHRA) requirements. within the Kingdom of Bahrain for tracking pharmaceutical products. The system will support all possible statuses and functionality, required by the Bahrain National Health Regulatory Authority and NHRA-MVC Traceability Hub.
	SATT PLATFORM® EU AMS (Alert Management System) **SATT PLATFORM® EU AMS** allows management and monitoring of all types of ongoing alerts, generated by EMVS during the serialization data upload or product verification and/or decommissioning. The service covers MAHs' needs to analyze, evaluate, and resolve alerts that could be caused by procedural or technical errors by the Customer system or by the next users in the supply chain - wholesalers and pharmacies.

LEVEL 4
External Network Communication

	SATT PLATFORM® B2B Gateway **SATT PLATFORM® B2B Gateway** establishes a secure connection between the Customer and their Partners, ensuring seamless data exchange of batch information reports. If Partners are using existing systems like SAP, TraceLink, etc., the service offers additional functionalities, including automated requests and responses for serialization and aggregation numbers.
	Connection with existing ERP The automatic connection between the SATT PLATFORM® Solution and the ERP system ensures secure communication and real-time exchange of batch data, encompassing serialization and aggregation details. This connection enhances data accuracy and streamlines information flow, contributing to a more efficient and transparent production process.
	Connection with existing WMS The automatic connection between the SATT PLATFORM® Solution and the existing Warehouse Management System (WMS) establishes a secure real-time communication link, enabling seamless exchange of serialization and aggregation numbers and comprehensive reports. This connection ensures improved visibility and traceability of the supply chain while minimizing manual errors.

LEVEL 3
Enterprise Management

EBR SATT PLATFORM	**SATT PLATFORM® EBR (Electronic Batch Record)** **SATT PLATFORM® EBR (Electronic Batch Record)** is a cloud-based centralized management system, specially designed to meet complex business customers' needs, for managing all serialization and aggregation processes of the factory and controls batches and their statuses. with automatically generated reports to the National Authorities. After the production completion SATT PLATFORM® EBR stores and operates with configurable reports with a customer-friendly format (final Batch Info reports and Audit Trails), designed to cover respective National Authorities' requirements, for all managed production lines. The system guarantees data security and provides automated backups.
EBR VERIFICATION ORDER SATT PLATFORM	**SATT PLATFORM® EBR Verification Order for Parallel Importers** **SATT PLATFORM® EBR Verification Order for Parallel Importers** is a cloud-based central management system tailored to fulfill the specific requirements of Parallel Importers. This system verifies the active status of serialized and aggregated products and then efficiently manages new serialization and aggregation processes, addressing the unique needs of parallel import operations.
CMD SATT PLATFORM	**SATT PLATFORM® Cloud Master Data** **SATT PLATFORM® Cloud Master Data** is a web-based service designed to facilitate comprehensive Product Master Data management for every Partner. It efficiently coordinates product target markets and ensures seamless updates, including versioning, and enhancing accuracy in data management.

PPD	**SATT PLATFORM® PPD (Process Pack Data)** **SATT PLATFORM® PPD (Process Pack Data)** is a universal software solution that comprehensively addresses serialization and aggregation reworking functionalities before the batch release and data submission to the respective National system. The service supports serial numbers decommissioning or updating its statuses based on post-packaging events (e.g., QA samples, for laboratory purposes, or damaged packages) as well as disaggregation/reaggregation functionalities on the case and/or pallet levels.
GSNX	**SATT PLATFORM® Global SNX** **SATT PLATFORM® Global SNX** is a service responsible for generating and maintaining pools of sequential and random serial numbers, whether with or without cryptographic protection, and aggregation numbers generation. The solution also efficiently stores product data and serial and aggregation numbers, encompassing information received from Partners. SATT PLATFORM® Global SNX guarantees the absolute uniqueness of each generated serial number per product GTIN and of each generated aggregation number per company.
LABEL DESIGNER	**SATT PLATFORM® Label Designer** **SATT PLATFORM® Label Designer** is a user-friendly service enabling the creation of customized label designs tailored to each product for all Partners. This includes static information and dynamic SSCC elements. With this tool, users can seamlessly design labels that align with product branding and regulatory requirements, ensuring accurate label design at each aggregation level.

LEVEL 2
Traceability Web Machine

WEB MACHINE SATT PLATFORM	**SATT PLATFORM® Web Machine** **SATT PLATFORM® Web Machine** is a service, designed specifically to perform complex needs of the production area, combining Parallel Distributors verification processes (SATT PLATFORM® Web Verification) and complex Manufacturers processes of aggregation, disaggregation, reaggregation (SATT PLATFORM® Web Aggregation).
WEB AGGREGATION SATT PLATFORM	**SATT PLATFORM® Web Aggregation** **SATT PLATFORM® Web Aggregation** is a service designed to facilitate aggregation, disaggregation, and reaggregation operations at the Case and Pallet Levels. The application verifies ID codes and 2D Data Matrix codes and manages the disaggregation and reaggregation process. In cases of aggregation or re-aggregation, the module offers the flexibility to print new aggregation labels designed using SATT PLATFORM® Label Designer or assign pre-printed labels at the respective aggregation level, enhancing traceability and efficiency.
WEB VERIFICATION SATT PLATFORM	**SATT PLATFORM® Web Verification** **SATT PLATFORM® Web Verification** offers an automated solution for verifying the real-time serial numbers` statuses of the chosen order within the appropriate National Verification System. Authorized users can easily select and validate order data, remove specific serial numbers, and then confirm the approved list of serial numbers. Following successful verification of active serialized products, they can be re-packaged and reported for a new target market following Parallel Distributors' processes. Additionally, the service facilitates the generation of Audit Reports, ensuring comprehensive record-keeping and compliance.