

DQS/SC_OFF

Offline Supply Chain consultancy

DQS/SC_OFF – Offline Supply Chain

For worldwide non-profit, ONG or United Nations organizations

Common challenges for non-profit worldwide organizations:

- Worldwide coverage
- non-internet access
- Latency of internet
- Decentralized data
- Usability for rural users
- ...



CRITICAL for SUPPLY CHAIN proceses.

DQS/SC_OFF consultancy in Supply Chain projects designs and IT implementations :

- **Real expertise** and lessons learned in success ONG Offline Supply Chain implementations.
- Microsoft platform capabilities for covert **end-to-end hybrid Online-Offline processes**.
- Strong and **consistency offline data synchronizations** using Microsoft standard capacities and reducing/without organization involvement.
- **Easy usability in Offline** applications for non-trained end users.

**DQS/SC_OFF consultancy for OFFLINE SUPPLY CHAIN Implementations
in non-profit worldwide organizations.**

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Main focus on Methodological analyse phase

DQS/SC_OFF consultancy helps organizations to analyse Supply Chain requirements for an end-to-end functional and technical design, considering the following axes :

- Functionalities design and coverage using Microsoft technology, ensuring integrate advanced governance, data security, and scalability and serving as a cornerstone for sustainable supply chain operations and improved healthcare access.
- Functional and technical solution design considering following aspects:
 - Single Ecosystem for All Need: Office (ERP D365 Supply Chain), Refugee Camp (Point of Sale) and Rural Agent (Power App)
 - Unified Online and Offline Experience: One data for all users (online), for many users (working together in offline) and one user (using one device alone)
 - Automatic data synchronization (ensured by Microsoft platform without organization intervention)
 - Centralized Management of critical business operations (unique end-to-end process in ERP)
 - Security and Compliance (warranty by Microsoft Azure)
 - Designed solution for diverse Use Cases: offline scenarios and tools for agents/doctors (alone) or refugee camps/hospitals (together)
 - Scalable solution
- Considering the requirements for each of the Actors: Head Quarters, suppliers, Capitals, missions, projects, end users, third parties and patient/refugee/person.
- Ensuring the capacity of the platform to run independently of the connectivity on the location of the sites involved. That means capacity to manage in Offline scenarios: the access to the information in a OneData_OneUser model (as all Power App offline), in a OneData_ManyUsers model (only available in offline using Point of Sales) and in a OneData_AllUsers model for online scenario.
- Giving a global end-to-end process overview for all functionalities like: Master Data, Procurement and sourcing, Inventory management, Counting, Kit management, Consumption, Barcode, Transport management, Asset management, Forecasting, Finance and Usability.
- Ensuring an end-to-end technical processes integrity without connectivity from Headquarters (start) to Patients (end). There are identifies highlighting three levels of connectivity: High, Medium and Low Connectivity.
- Envision an end-to-end connectivity and functionalities process considering: i) High Connectivity for Headquarters (Suppliers, Procurement, Purchase requisitions, Purchase orders, Transfer orders, Inventory movements), Supplier and Capital (Supply goods to projects and transit warehouses) and Projects and Refugee Camps (Receive inventory, distribution it directly to mobile operative and camps); ii) Medium Connectivity for Project (Handle inventory and distribution) and Refugee Camp/Dispensaries (Deliver goods to patients efficiently, ensuring one data system shared among many users); Low Connectivity for Mobile Operative/Centers and End units (in isolated environments with minimal connectivity) and Patients (in remote areas are served through these decentralized facilities).
- Combining the technological trends like: Artificial Intelligence, Intelligence Planning, Sustainability, Integrated ecosystems, Blockchain for traceability, Supply chain as a Service (SCaaS), Cybersecurity and Greater resilience.

DQS/SC_OFF consultancy give an end-to-end analyse for Offline Supply Chain in worldwide non-profit organizations.

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Functionalities and actors



... all actors should do all functionalities ...

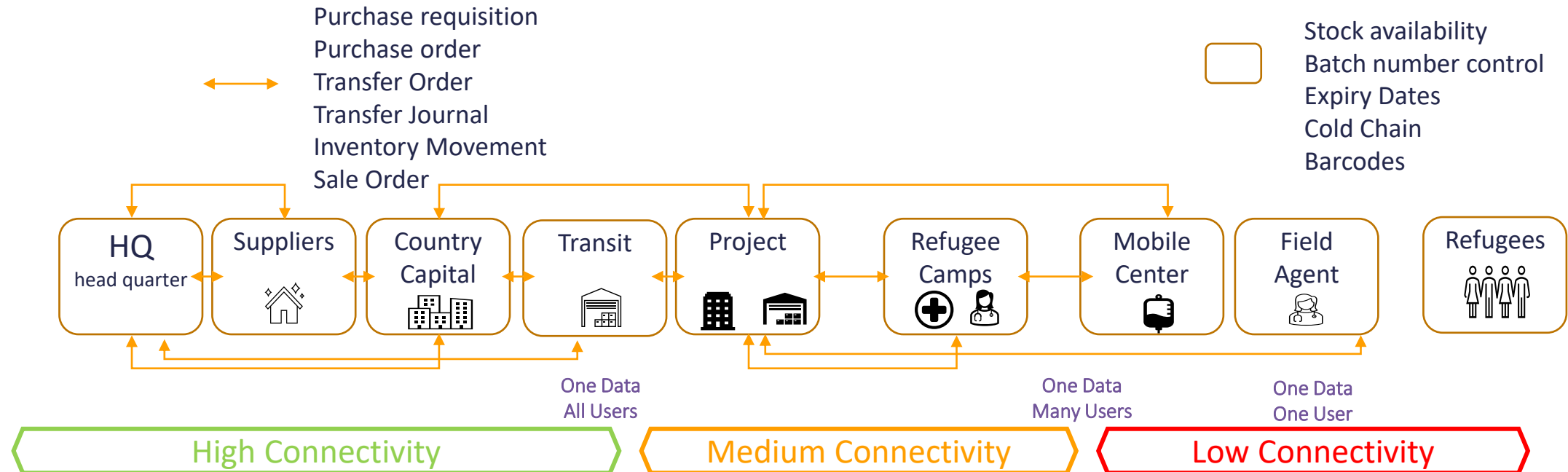
... teams working together with same data ...

... large periods without connectivity (or electricity) ...

... volunteers and field agents require high usability ...

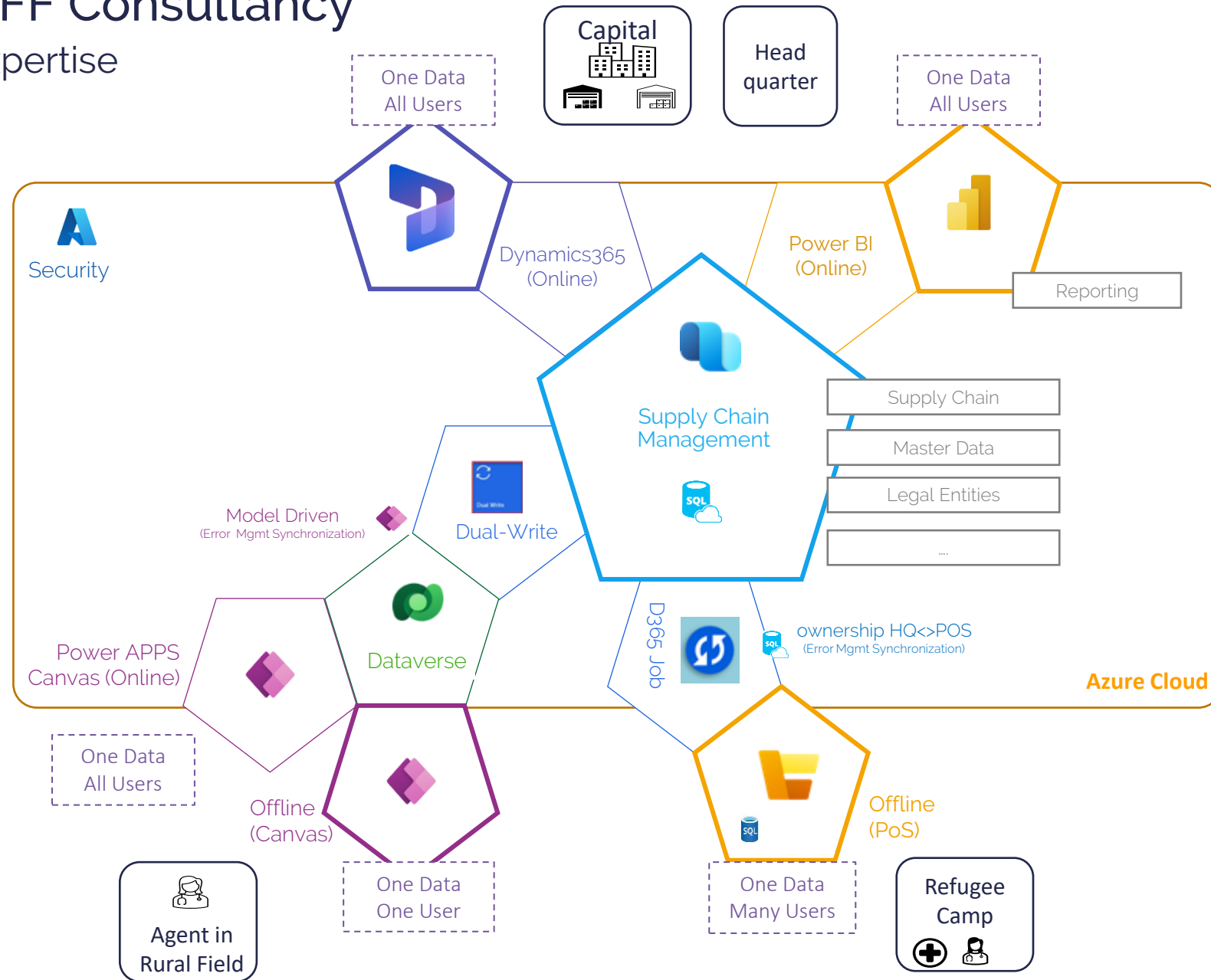
**DQS/SC_OFF
Consultancy**

supply unique end-to-end worldwide process



DQS/SC_OFF Consultancy

Architecture expertise



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