Case Study

Real-time Gas Cylinder Distribution Tracking System

To boost supply chain efficiency of a French gas distribution giant

PROJECT OVERVIEW

A leading supplier of Butane, Propane, CNG, and LNG gas with a network of more than 1200 sales points across the country was looking to optimize their supply chain network and gain more control over stock levels. The European client was seeking a robust enterprise mobile app to manage the movement of cylinders and vehicles between the plant & refilling depot efficiently.

Platform	Industry	Country
Cross-platform	Oil & Gas	France

KEY FEATURES

The developed application helped control the end-to-end process of gas supply digitally, from picking up the order to delivery and returning to the plant, for which a manual assignment was in place previously.

▷ **Delivery request synchronization**

Enables drivers to address (and take-up) multiple bookings at once, finish picking the order, and close the requests – all with just few taps

▷ **Trailer stock**

Facilitates trailer scanning for empty and full cages with an estimated net & gross weight based on cylinder type and capacity
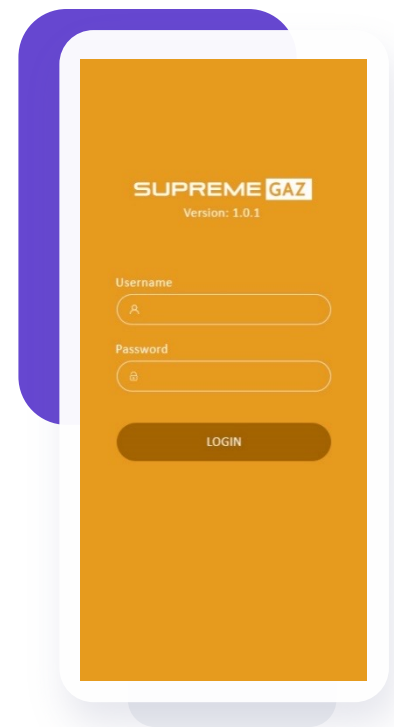
▷ **Real-time tracking**

A Bluetooth LE Beacon fitted on each cage transmits a unique digital identifier, which is scanned by the mobile app for easy tracking & counting of cages

▷ **Improved visibility**

Digitization of the entire process allows seamless management of the cylinder delivery, improves visibility of the performed tasks, and increases productivity

SUPREME GAZ
Version: 1.0.1

Username

Password

LOGIN

CHALLENGES

▷ Mismatch of inventory items

▷ Lack of efficient tracking of cylinder lifecycle, from filling to delivery, usage, and return

▷ Complex order workflow & inventory control system

▷ Manual management of drivers for order picking to closing the request leading to inefficient supply chain process

▷ No monitoring of real-time activities of the distribution workforce

SOLUTION

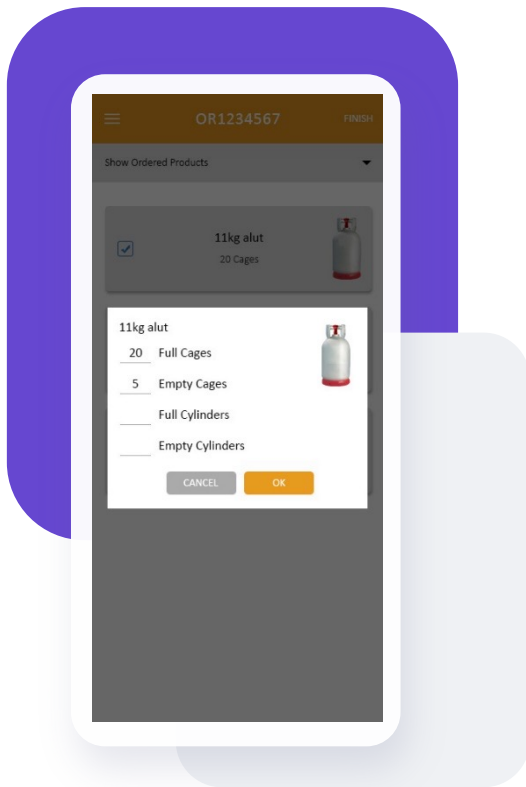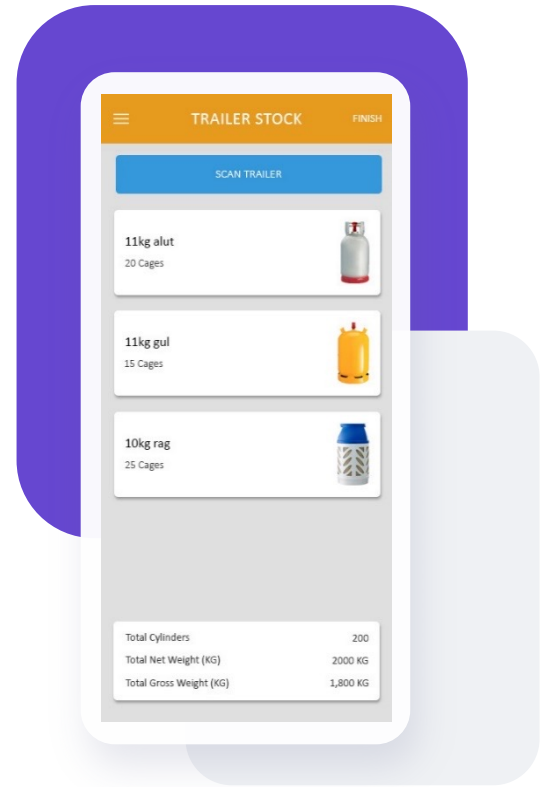The stand-alone solution provided a mobile-first system to

1. Manage, monitor, and optimize cylinder distribution;
2. Map logistic activities
3. Create new growth opportunities aligned with the business requirements.

▷ **Agile way of working**

- The agile approach for project execution ensured a smooth transition and high-value creation with minimal resources

▷ **Order management**

- The custom module helps manage the lifecycle of the cylinder (order fulfilment) - filling, processing at depot, delivery and receiving the empty cylinder

▷ **Driver dashboard**

- The data-driven platform enables drivers to get a holistic view of orders including current & scheduled bookings, finished deliveries, location to be delivered, cage's stock in the truck and more

▷ **Admin panel**

- Helped manage company assets, monitor vehicle movements, generate custom reports and optimize the supply chain efficiently and over one single platform

TECHNOLOGIES & TOOLS
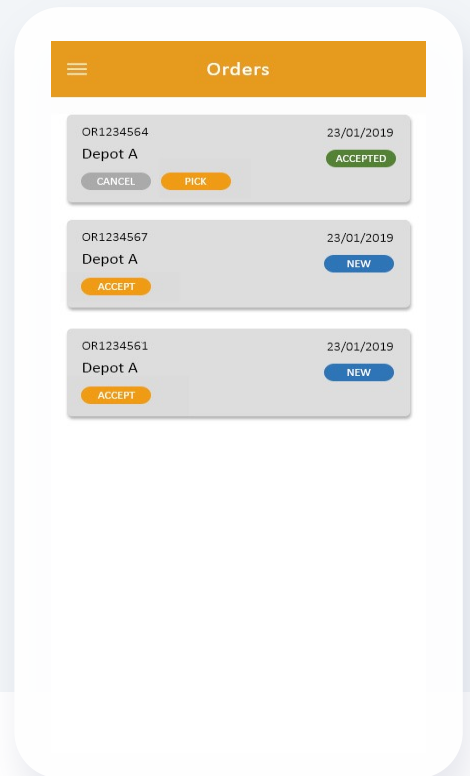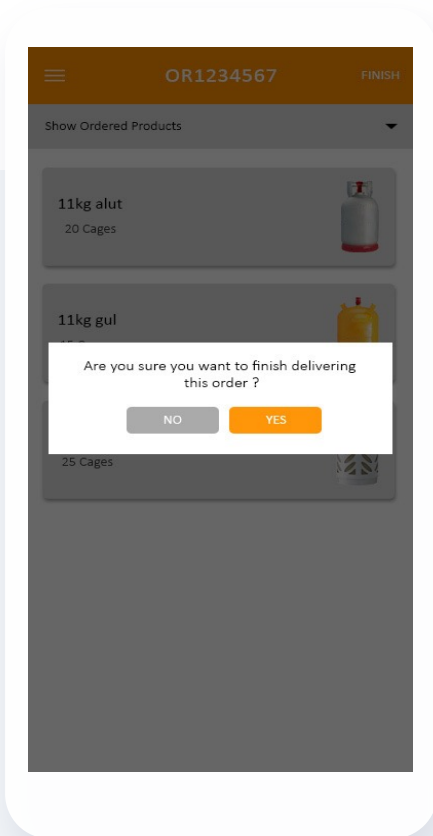
BENEFITS

40%

faster delivery process

30%

increase in the service life of cylinders

4x

increase in driver proficiency to manage multiple orders

PROJECT SNAPSHOTS

OR1234567 FINISH

Show Ordered Products

11kg alut
20 Cages

11kg gul

Are you sure you want to finish delivering this order ?

NO   YES

25 Cages

Orders

OR1234564   23/01/2019
Depot A   ACCEPTED
CANCEL   PICK

OR1234567   23/01/2019
Depot A   NEW
ACCEPT

OR1234561   23/01/2019
Depot A   NEW
ACCEPT

ABOUT RISHABH SOFTWARE

We are a global provider of enterprise-grade web, mobile, cloud, and analytics solutions. As a ISO 9001 and 27001 certified software development company, we have two decades of service excellence delivering 1000+ successful projects globally, including the USA, UK, Europe, Middle East, and Australia.

✉ sales@rishabhsoft.com

📞 +1-201-484-7302

RISHABH SOFTWARE