

# Medical Equipment Service Management Platform

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## CASE STUDY

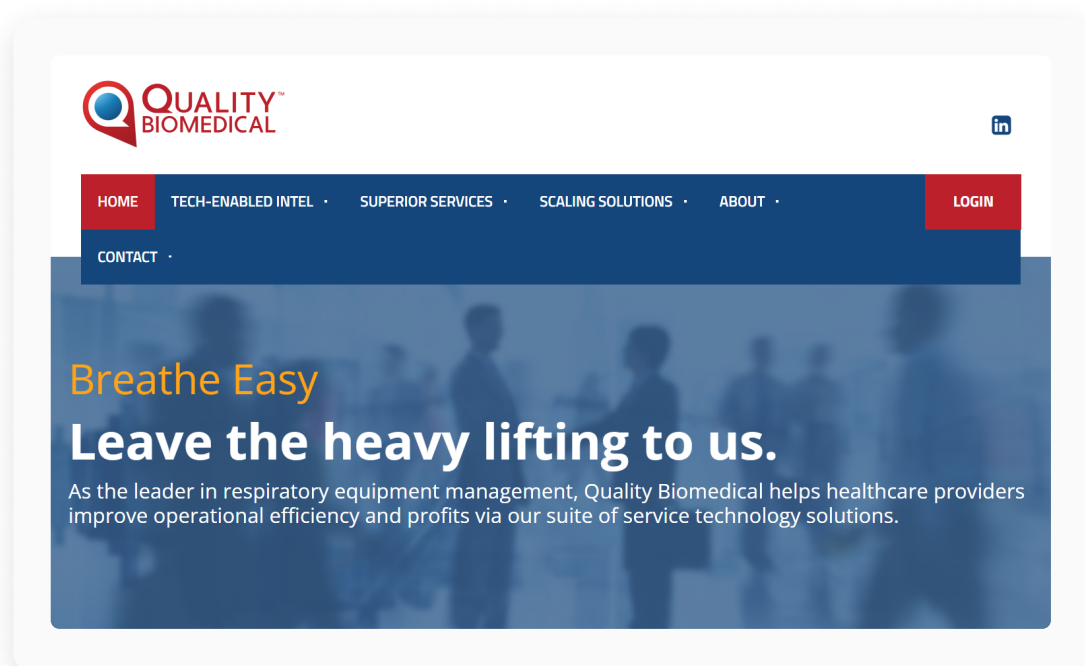
Healthcare



# Quality Medical South

Quality Medical South provides efficient and reliable solutions for managing your equipment maintenance and service needs. With QMS, one can easily schedule routine maintenance tasks for all their medical equipment, ensuring that vital instruments are regularly serviced.

QMS, an intuitive scheduling system helps you keep track of upcoming maintenance events, reducing the risk of equipment failures and maximizing uptime. Whether you are a hospital administrator, a clinic manager, or a biomedical technician, our goal is to provide you with a user-friendly and efficient platform to optimize your equipment management processes.

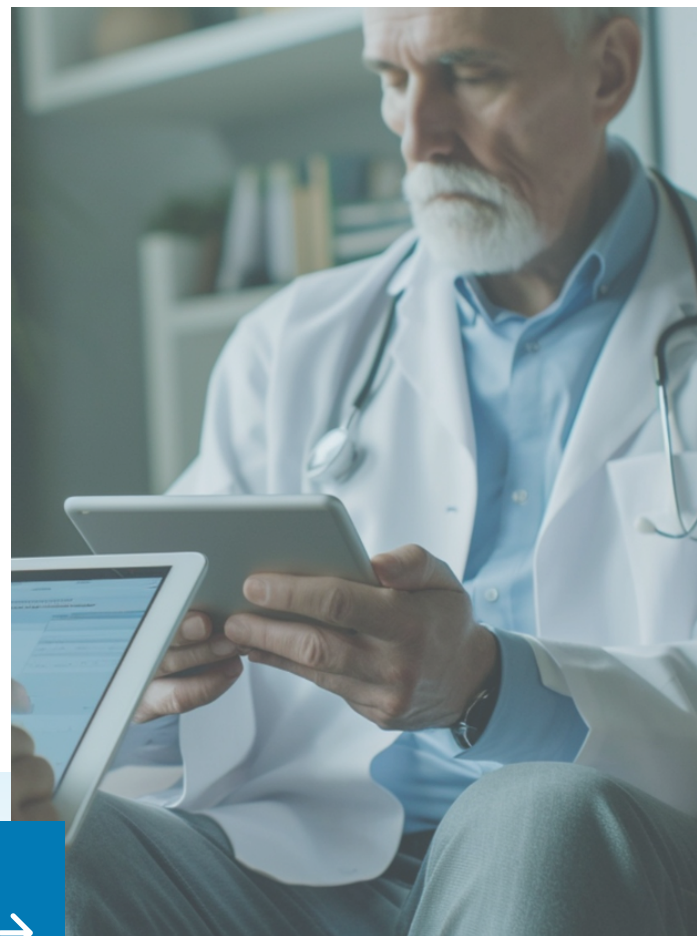


## Overview

QMS is a comprehensive web application for healthcare facilities to effectively manage their medical equipment throughout its lifecycle. With our user-friendly platform, you can streamline equipment inventory management, maintenance scheduling, compliance tracking, and reporting, ensuring the smooth operation of the healthcare facility. We used PHP, with the rich set of functionalities that incorporates the basic features of PHP frameworks, for server-side coding of the website. With QMS, one can maximize the benefits and ensure efficient and reliable equipment management processes.

## The Challenges

Ensuring accurate and up-to-date data is crucial for effective equipment management. Challenges in maintaining data accuracy, especially when multiple users are responsible for updating equipment information, were faced. QMS is designed to accommodate the increasing number of equipment and users without sacrificing performance.



With usage of a wide range of medical equipment from different manufacturers, each with its unique specifications and maintenance requirements, managing the diverse array of equipment, standardizing maintenance practices, and ensuring the availability of necessary spare parts was a challenge. Providing comprehensive user support and managing helpdesk operations was a challenge, especially when there are many users.

Addressing these challenges with QMS at Fortunesoft, involved a combination of technical expertise, stakeholder collaboration, ongoing system enhancements, and continuous feedback loops.

## Our Solution

Team Fortunesoft is proud to offer a state-of-the-art web app solution for medical equipment management. Our platform is designed to address the unique challenges faced by healthcare facilities in managing their medical equipment inventory, maintenance, and service needs.

Our solution is comprehensive, easy to use, and secure. It can help you improve the efficiency of your medical equipment management, reduce costs, and improve patient safety.

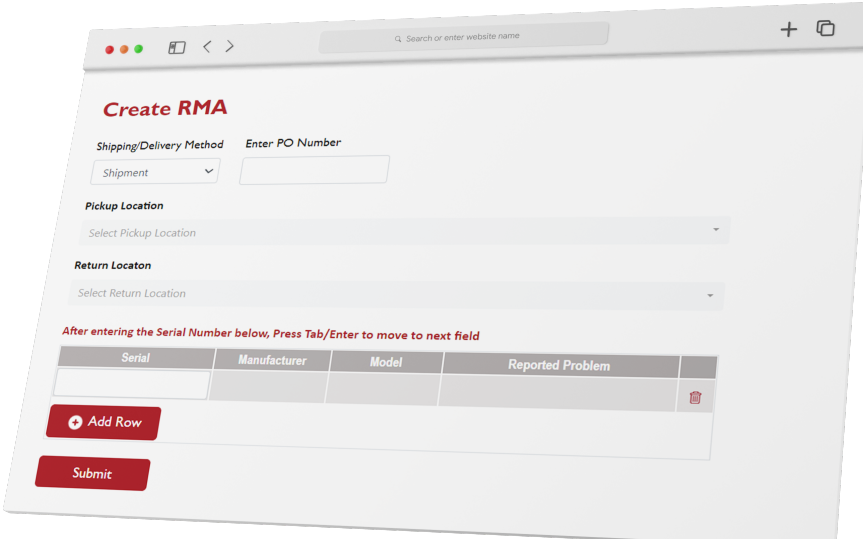


## Technical solution

The server-side coding of the QMS web application is implemented using PHP, leveraging its rich set of functionalities and compatibility with various databases. QMS employs a robust database management system to store and manage equipment inventory, maintenance schedules, work orders, user accounts, and other relevant data.

Techniques such as SSL/TLS encryption protocols for data transmission and encryption algorithms for data at rest are employed to safeguard against unauthorized access and data breaches.

QMS incorporates functionality to track equipment calibration schedules and ensure compliance with industry standards and regulations. This includes maintaining calibration certificates, scheduling recalibration tasks, and generating compliance reports to demonstrate adherence to regulatory requirements.



**Create RMA**

Shipping/Delivery Method  Enter PO Number

Pickup Location

Return Location

After entering the Serial Number below, Press Tab/Enter to move to next field

Serial	Manufacturer	Model	Reported Problem

## Benefits

QMS offers significant results and benefits for healthcare facilities. The platform streamlines the entire process of managing medical equipment, leading to improved efficiency, enhanced patient care, and cost savings. With a medical equipment management website like QMS, healthcare facilities can accurately track and maintain inventory, schedule and track equipment maintenance, and ensure compliance with regulatory standards.

QMS also enables seamless communication with service providers, ensuring timely resolution of equipment issues and reducing downtime. Real-time reporting and analytics provide valuable insights into equipment performance, maintenance costs, and utilization rates, enabling data-driven decision-making and resource optimization.

Overall, QMS empowers healthcare facilities to effectively manage their equipment, enhance operational efficiency, and provide high-quality care to patients.

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## What The Client Says About Us

"Fortunesoft IT Innovations has been an outstanding business partner for our company. After a terrible experience using offshore developers, we took a chance on Fortunesoft IT Innovations and they have been excellent to work with. The team is relentless in following agile development processes. They took the time to learn our business and it shows in the quality of the work they do. Their team has a broad range of skillsets and were able to help us with every aspect of our start-up company."

**Conner Humphrey**

Co-Founder SalesC2, Texas US

# Our Global Presence

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14+

Years of Service

150+

Happy Clients

510+

Successful Projects

2400+

Successful Sprints

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