

# CARPS Task & Resource Management System

Enhance Hospital Efficiency  
and Elevate Patient Care

## About CARPS

CARPS is a high-performance, quick-response task management solution tailored for hospital environments, designed to optimise staff utilisation, streamline operations, and improve patient care.

CARPS integrates seamlessly with existing hospital systems, empowers real-time task allocation, asset tracking, and compliance reporting across departments, ensuring a consistently high standard of service.



# Key Benefits

## Instant Task Allocation

Tasks are assigned instantly via smart devices or 2-way radios, enabling staff to respond immediately without needing to return to a central base.

## Optimised Staffing

Actionable insights support informed decisions on resource allocation and future staffing needs.

## System Flexibility

CARPS adopts seamlessly to various hospital structures, supporting both ward-based and pooled staff.

## How CARPS Works

### Task Booking

With an intuitive interface, tasks are logged quickly, with drop-down menus for detailed and prioritized task assignments.

### Scheduling & Allocation

Controllers have real-time visibility into staff availability, allowing for fair and efficient task assignments.

Allocation can also be fully automated based upon rules or locations.

### Real-Time Task Completion

Staff update task statuses with a simple tap, creating accurate, time-stamped records to support performance tracking.

## Core CARPS Features

### Real-Time Tracking

Locate your critical assets like wheelchairs, medical equipment, and supplies across departments to minimise delays and enhance response times.

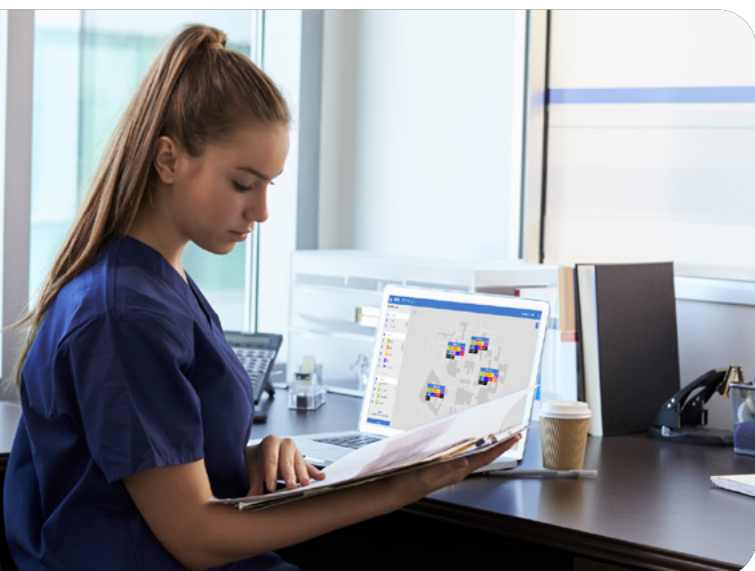
Controllers and staff can quickly pinpoint assets, supporting uninterrupted patient care. Operatives and employees can also be tracked real time to enhance efficiency and work allocation.

### Automated Patient Flow Management

CARPS integrates with hospital systems to manage bed status, automatically assigning bed-cleaning tasks and informing staff of real-time bed availability for optimal patient flow.

### Enhanced Reporting and Analysis

CARPS offers a robust reporting suite with customisable filters for task type, duration, and team performance, enabling hospital management to monitor service levels, forecast demand, and make informed staffing adjustments.



# Advanced System Modules & Task Allocation Options

## Mobile Application

CARPS Mobile enables staff to view and self-assign tasks, update task statuses, and add notes or delays in real-time.

## Controller Interface

A streamlined, user-friendly platform for managing workflows, issuing tasks, and monitoring staff locations and task progress.

## Keypad and Ward Logger

Accessible options for quick task logging in departments with time-sensitive needs, such as emergency and critical care units.

## Integration & Automation Capabilities

CARPS integrates with clinical systems (EPR/PAS), creating automated tasks (e.g. bed cleaning) triggered by patient status changes. It also supports various messaging interfaces (HL7, FHIR, REST) for seamless data exchange and task automation.



## CARPS GO

Provides mobile staff with instant location tracking for rounds and critical task updates.

Includes scanning capabilities for ward-based tasks like specimen transport, security checks, and equipment delivery, ensuring accountability and timely task completion.

## Asset Management and Resource Locator

Track and locate high-usage assets like wheelchairs, beds and oxygen tanks, with position history for easy retrieval and operational efficiency.

Visualise both operative and asset positions across the facility to support optimal task response.

## Loan Store and Consumables Management

CARPS GO offers centralised solutions for tracking loaned equipment and consumables, from delivery to return, ensuring resource availability.

CARPS GO includes dashboards and picking lists to simplify inventory management for wards and departments.





## Why Choose CARPS?

Trusted by top UK healthcare institutions, including leading facilities management companies, University Hospitals Birmingham and Imperial NHS Trust, CARPS has been developed through over 30 years of experience to meet the evolving needs of healthcare providers.

Its flexibility, ease of use, and comprehensive support make it a valuable asset for any hospital looking to improve service levels and patient outcomes.

## Installation and Ongoing Support

Avoira offers a tailored CARPS installation to meet your hospital's specific operational requirements, complete with 24/7 customer support.

Each installation includes a dedicated support helpdesk and training to ensure smooth integration across all departments and locations.

## Trusted Performance Metrics

- 80+ deployments across major hospitals and NHS trusts
- Real-time dashboard monitoring for performance assessment
- Data and Reporting Integrations with secure data lakes, data warehouses, and real-time dashboards for live monitoring and management reporting



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