Occupational Health Centre Case Study

Proactive Occupational Health for Port and Industrial Workers

Welcome

1. Overview

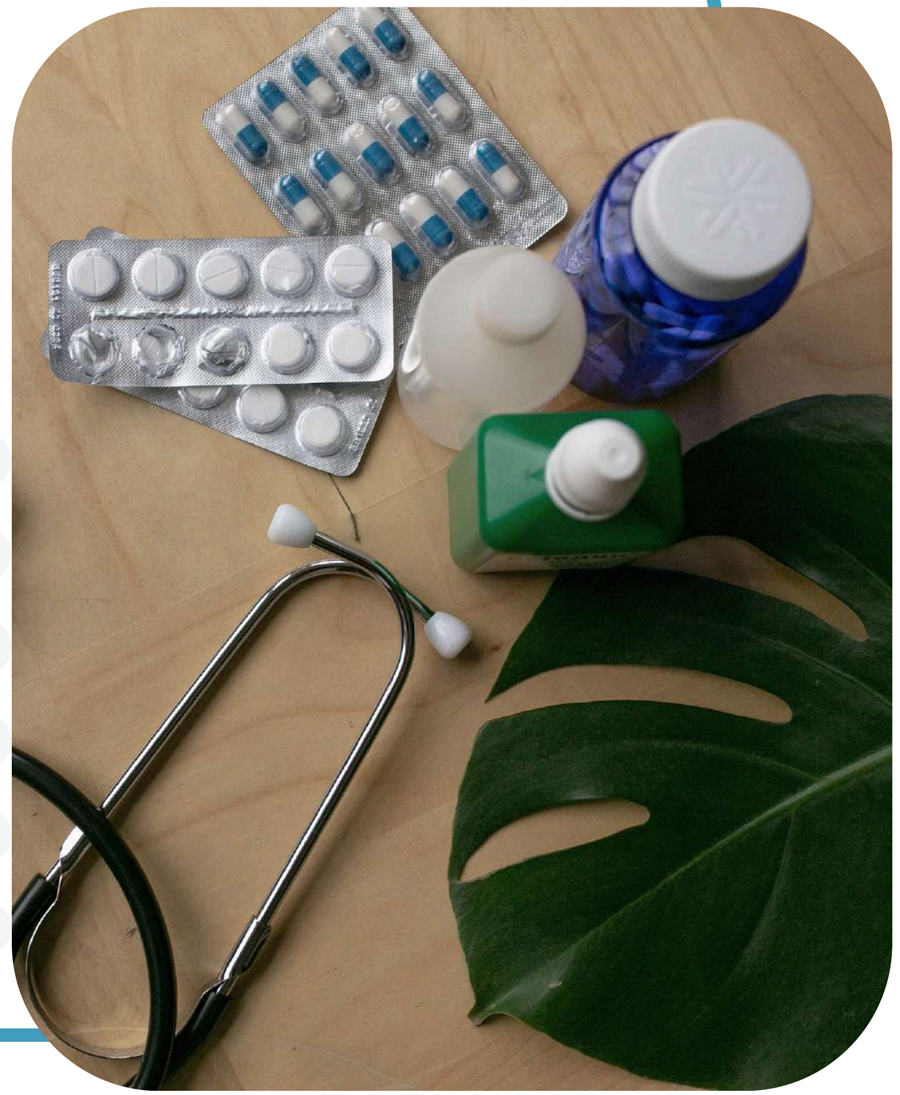
Client Type: Occupational Health Centre (OHC) – Port & Industrial Setup

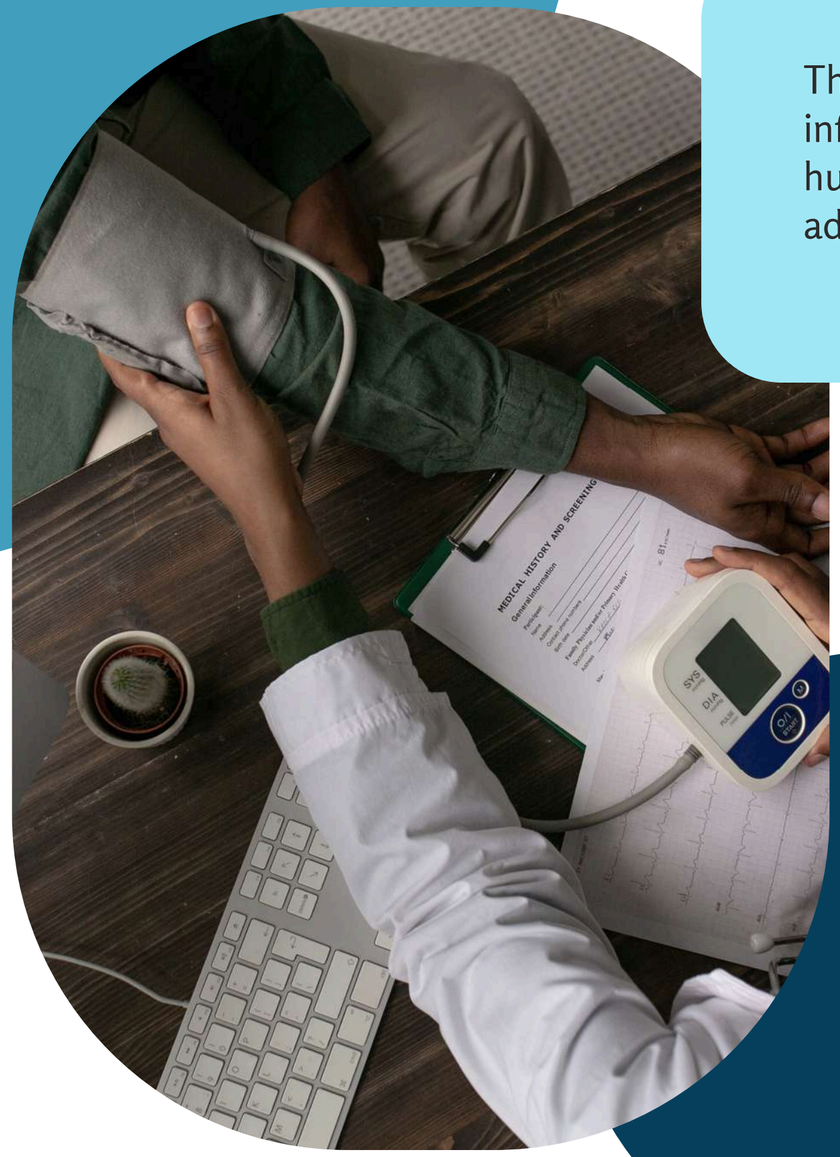
Industry: Shipping, Port Operations & Industrial Healthcare

Service Provided: OHC Website Design & Development

Target Users: Port workers, industrial staff, contract laborers, security personnel, and nearby villagers

Purpose: To create a compliant, accessible, and efficient digital platform that supports occupational healthcare delivery, worker safety, and community health services.





The website acts as an information and coordination hub for workers and administrators.

2. About the Occupational Health Centre (OHC)

The Occupational Health Centre (OHC) functions as a primary healthcare and safety unit for port and industrial workers. It focuses on:

- Workplace injury management
- Occupational disease prevention
- Emergency and first-aid services
- Periodic health check-ups...
- Health awareness and compliance reporting

3. Business Challenges

- Managing healthcare communication for a large and diverse workforce
- Limited digital access to OHC services and schedules
- Manual handling of health enquiries and appointments
- Ensuring confidentiality of worker health information
- Meeting industrial, port authority, and healthcare compliance requirements

4. Objectives

- Digitize OHC service information and workflows
- Improve access to occupational health services for workers
- Support compliance with safety and health regulations
- Enable faster communication between workers and OHC staff
- Create a scalable platform for future health initiatives

5. Solution Delivered

A secure, responsive OHC website designed to:

- Showcase occupational health services and facilities
- Provide OPD timings, emergency contacts, and safety guidelines
- Enable appointment requests and medical enquiries
- Support mobile access for on-site and field workers
- Ensure data security and regulatory alignment

6. How It Works (Operational Flow)

- **Access:** Workers or villagers access the OHC website via mobile or desktop...
- **Information:** Users view services such as first aid, injury care, health check-ups, and OPD schedules...
- **Interaction:** Appointment or enquiry forms are submitted online...
- **Secure Processing:** Data is securely transmitted to OHC administrators
- **Administration:** Authorized staff manage content and respond through admin access

7. Compliance & Regulatory Alignment

a. Occupational Health & Safety Compliance

- Alignment with industrial health and safety norms
- Support for occupational injury and illness reporting
- Awareness content for workplace safety standards

b. Data Privacy & Security

- HTTPS and SSL encryption
- Minimal collection of personal health information
- Secure access control for administrators
- Consent-based data submission

c. Accessibility & Inclusion

- Simple UI for workers with varying digital literacy
- Mobile-first and low-bandwidth optimized design...
- Readable fonts and clear navigation

8. Implementation Phases

Phase 1: Requirement Analysis

- Stakeholder consultation, worker health needs assessment, and compliance review.

Phase 2: Planning & Architecture

- User flow design, content structuring, and technology selection.

Phase 3: UI/UX Design

- Healthcare-focused, responsive, and multilingual-ready design.

Phase 4: Development

- Frontend development, CMS integration..., and secure form handling.

Phase 5: Testing & QA

- Functional, cross-device, and security testing.

Phase 6: Deployment & Training

- Live deployment, staff training, and documentation handover.

9. Impact & Outcomes

- Improved awareness of occupational health services
- Faster response to worker enquiries and appointments
- Reduced manual administrative workload
- Better compliance visibility for audits and reporting
- Enhanced trust among workers and local communities

10. Key Features

- Occupational health service listings
- Emergency and first-aid information...
- Appointment & enquiry forms
- Safety guidelines and notices
- Secure, compliant infrastructure

11. Technologies Used

- Frontend: HTML5, CSS3, JavaScript, Bootstrap
- Backend/CMS: ASP.NET Core / MVC / C#
- Database: SQL Server (if applicable)
- Hosting: Secure cloud or on-premise server

12. Conclusion

“The OHC website delivers a compliant, accessible digital platform that enhances occupational health management and worker engagement.”

This case study demonstrates expertise in delivering occupational healthcare digital solutions for industrial and shipping sectors.