

# ITH PHARMA ONLINE ORDERING



ITH Pharma is a pharmaceutical company specialising in the development and production of specialist medications. Their product range includes both standardised and bespoke manufactured products for chemotherapy, pain control, antibiotics and nutrition.

## THE CHALLENGE

ITH Pharma manufactures complicated drugs within highly regulated and sterile environments. Errors during composition could be life threatening, so an accurate and repeatable process is essential. ITH Pharma wanted an application that could assist with the entire drugs manufacturing process.

## OUR ACTIONS

Objectivity developed ITH Online, a browser-based solution to manage and control each stage of drugs manufacturing. The application tracks progress from the initial order placement to dispatch of the completed products. AJAX improves application responsiveness, along with other industry standard frameworks, to ease the development process. Objectivity worked closely with an external design agency to provide professional styling and branding. Standard security mechanisms transmit data securely to prevent third parties from maliciously gaining access. All sensitive data is encrypted before saving to disk. The Medicines and Healthcare Regulatory Agency (MHRA) formally approved the system prior to its use.

## THE RESULTS

ITH Online allows medical professionals to order drugs simply and easily. The online system shows available products, quantities and delivery times. A user logs on securely using their account details and is able to make orders in a matter of minutes. An order tracking process keeps customers informed at all times. This system dramatically decreases the effort and time needed to order lifesaving drugs whilst reducing manual processing errors.

### KEY ACHIEVEMENTS

- Significantly reduced turnaround times for orders
- Reduced human errors and increased automated error detection
- Implemented full online ordering and delivery tracking
- Increased security; encrypted all sensitive data
- Reduced processing times and associated costs

### CORE TECHNOLOGIES

- Java
- SQL Server
- Wicket
- AJAX
- Spring
- HTML & JavaScript
- Hibernate

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