

# Belimed | Blueprint



## Planning and Design







## Belimed Blueprint

Planning and Design leads the way of Belimed's products and services portfolio. Whether our customer is planning a full-scale construction project or renovating their current Central Sterile Services Department (CSSD), our planning and design engineers bring their collective vision, wealth of expertise and tools, and rigorous management skills to every project – large or small.

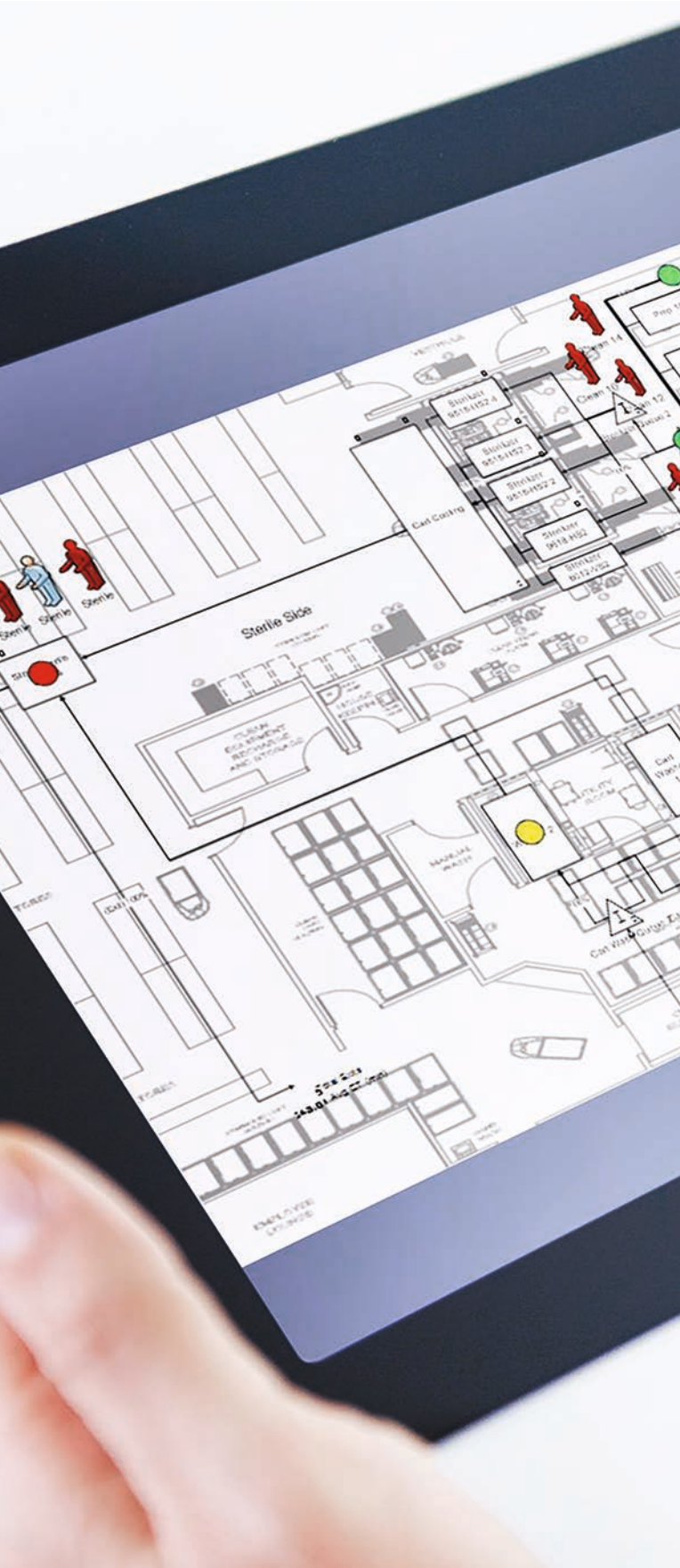
Confidence is earned from the start of every project. We do this by forging a deep understanding of a customer's precise needs through close-working relationships with facility stakeholders. We understand that each facility is unique and has its own set of requirements and limitations.

### Established experience and knowledge

The Belimed advantage comes from our experience and knowledge of thousands of successfully delivered projects. It is our job to work with industry equipment planners, architects, and construction teams using an open and collaborative approach. This creates the best possible solutions for a unidirectional workflow, while maximizing throughput, safety, and efficiency.

### Experts in finding and maximizing efficiencies

Throughout the entire project, we champion optimization by seeking out smarter ways of doing things. We are experts in finding and maximizing efficiencies. Our design process and digital design tools allow us to work with customers before the first brick is laid or the first piece of equipment is installed. These tools guide our decision making and provide insight into innovative ideas, allowing us to see the full potential of a space in great detail. Opening greater design possibilities and pointing the way to increased performance and efficiency.



## Belimed Blueprint Services

Diverse needs, objectives and spatial constraints necessitate customized solutions. Our planning and design team can support you from detailed analysis to full installation.

### Site assessment and capability analysis

Planning and Design provides our customers with a clear picture of their capital equipment landscape for sterile processing. This assessment, combined with our proprietary capacity analysis tool, provides a detailed outline of the capital spend within a CSSD over the next 5 to 10 years – from immediate need to a long-term watch list. Our plans allow your CSSD to minimize operational risk and maximize the effect of spending within the department.

### Simulation for facility optimization

An essential tool for optimizing equipment selection and meeting your unique facility needs through the visual analysis of design, capacity, and workflow.

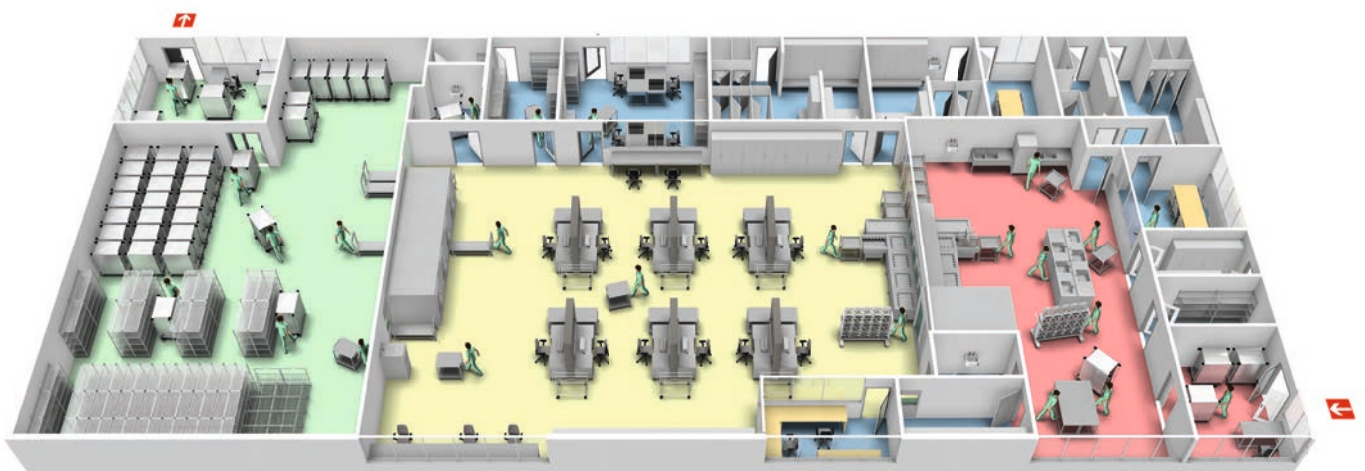
## Photo-realistic renderings

Explore the possibilities for your new CSSD through life-like facility images.



## 3D visualization and virtual walkthroughs

See the big picture of your facility with 3-dimensional renderings, and bring it to life by experiencing the flow of your new CSSD through real-time virtual animation.







## The four project phases

We plan and design your CSSD according to your needs. For decades, Belimed has been providing planning and organizational advice and support to hospitals and CSSD service providers, as well as their technical designers and architects. In order to ensure optimal customer support, we divide the project into the four phases.



Project Planning

Phase 1

Objective

Understand the capacity and space needs for a successful new CSSD

Opportunities

- Conduct site assessment
- Create case volume and growth plan
- Develop capital equipment replacement forecast
- Analyze equipment capacity

Outputs

- Feasibility studies
- Layout templates
- Volume and capacity analysis



Schematic Design

Phase 2

Objective

Fully defined project scope

Opportunities

- Estimate project timeline
- Create design from CAD files
- Generate equipment budget quote
- Refine capacity and throughput analysis

Outputs

- Proposal drawings
- Equipment mix
- Budgetary quotes
- Critical event timeline



Design Development

Phase 3

Objective

Validated design and virtual visualization of the new CSSD

Opportunities

- Refine critical events timeline
- Run simulation analysis
- Generate 3D renderings
- Obtain final design sign-off

Outputs

- Final design
- Bid documents
- Throughput simulation report
- Photo-realistic renderings
- Virtual 3D tour



Construction Documents

Phase 4

Objective

Reduce change orders and maintain project schedule

Opportunities

- Submit final equipment quote
- Active participation in hospital design team
- Schedule final project review

Outputs

- Installation drawings
- Final purchase order
- Cost analysis

Vendor selection

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Infection Control

Engineers of Confidence.