

# Project Summary



**Client:**  
GE Healthcare  
**Location:**  
Brisbane, Queensland, Australia

## Product Thaw Room Project

<b>Project Summary:</b>	<p>GE Healthcare operates a serum production facility, which involves thawing the product prior to filtration and bottling. The thaw process is a batch process designed to thaw 2000L of serum stored in 4.5L containers in 6 hours.</p> <p>A new Product Thaw Room was constructed including:</p> <ul style="list-style-type: none"><li>○ EPS sandwich panel building construction;</li><li>○ 10 off axial fans mounted in side wall of room;</li><li>○ 2 off hot water heating coils mounted in ceiling plenum;</li><li>○ Steel support structure for fans and heating coils;</li><li>○ New gas fired hot water heater skid;</li><li>○ Fancoil unit including chilled water cooling coil and electric duct heating elements;</li><li>○ Pipework and valves for hot and chilled water circuits;</li></ul> <p>Control valves and instrumentation for automated control and monitoring of the system operation.</p> <p>The scope of works delivered by Synertec included:</p>
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SYNERTEC

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	<ul style="list-style-type: none"><li>○ Project Management;</li><li>○ Process design and equipment sizing;</li><li>○ Equipment specifications and procurement;</li><li>○ Design and drawings for building modifications, structural steel and piping;</li><li>○ Control system and automation engineering;</li><li>○ Building, mechanical and electrical installation works on site;</li><li>○ Commissioning, testing and training</li></ul>
<b>Technologies:</b>	Air handling, axial fans, gas fired hot water heater, building works, control system, automation.