RFID-based Laundry Counting & Tracking System – Tunnel

Objective:
To improve labour productivity by automating the counting of linens and uniform

Deliverables:

<table>
<thead>
<tr>
<th>No</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Session</td>
<td>Setup, implementation &amp; training</td>
</tr>
<tr>
<td>2</td>
<td>Hardware</td>
<td>1 Touch Panel Computer 1 RFID Tunnel Gantry 1 Handheld RFID Reader 2 RF Shielding Covers 10,000 RFID Laundry Tags</td>
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<tr>
<td>3</td>
<td>Software</td>
<td>1 laundry tracking software licence</td>
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</tbody>
</table>

Potential Benefits:
• Accurate and rapid counting of laundry in minutes
• Quick comparison between Sent and Returned quantities
• Laundry wash cycle monitoring
• Improve labour productivity
• Reduce hygiene risk to workers

Productivity Indicator | Expected Improvement
---|---
Reduce Counting Time | 80 – 95%
Improve Laundry Traceability | 50 – 80%
Improve Labour Productivity | 60 – 90%

Total Basic Package Cost: $40,000
Less 70% STB Funding*: - $28,000
Nett cost*: $14,800 (with GST)

*assuming up to 70% funding from STB. PIC claim may also apply net of STB’s grant
** Additional costs such as sewing of tags, additional RFID tags can be considered for STB grant / PIC claim if purchased together with basic package.

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