

Time and Motion Studies: Empowering Growth at Impact Cleaning

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The Human Connection: Unlocking Potential Through Time and Motion Studies



Digital Literacy

Empowering cleaners with digital tools and training can enhance their skills and improve efficiency. This includes access to apps for task management, communication, and data collection, fostering a more informed and empowered workforce.



Upskilling & Reskilling

Time and motion studies can identify areas for improvement and skills gaps. By implementing targeted upskilling and reskilling programs, Impact Cleaning will ensure that its workforce is equipped with the latest knowledge and techniques, leading to increased productivity and job satisfaction.



Reskilling Opportunities

Reskilling initiatives provide opportunities for cleaners to adapt to industry changes, gaining new skills and knowledge to excel in a dynamic environment.



Time and Motion – Business Case

Challenge

A long-standing client declined to implement the required annual labour cost increase, leading to an opportunity for innovation.

1

Innovative Cleaning System

By strategically replacing 15 employees with a team of 10 multi-skilled staff, a 33% increase in efficiency was achieved.

3

2

Time and Motion Analysis

A detailed analysis was conducted to reimagine the approach and maintain quality standards while addressing the client's cost concerns.

4

How is this done ?

Through Multi-tasking and Multi-skilling, Comprehensive quality training and Effective supervision

Time and Motion Lessons from China and Japan



China: Focus on Speed and Automation

China's time and motion studies prioritize speed and efficiency through automation. This approach emphasizes large-scale manufacturing and assembly lines, often incorporating robotics and AI for increased productivity.



Japan: Emphasis on Precision and Quality

Japan's time and motion studies emphasize precision and quality control. This approach involves meticulous planning, detailed processes, and a strong focus on continuous improvement, known as "kaizen."

Case Study 1: High-Speed Rail Construction (China)



Project Scheduling

Detailed analysis of construction activities to streamline timelines and accelerate project delivery.



Equipment Utilisation

Optimised use of heavy machinery to minimize downtime and maximize productivity.



Labour Coordination

Improved collaboration among engineering, construction, and supervisory teams through motion studies.

Case Study 2: Uniqlo Store Operations (Japan)



Store Layout Optimisation

Analyzed customer flow and employee movements to design efficient store layouts, maximizing space utilisation and minimising unnecessary steps.

Inventory Management

Streamlined restocking processes, leveraging data insights to reduce time spent and prevent stockouts, ensuring high product availability.

Training Programs

Developed standardised procedures for staff based on time and motion analyses, empowering employees to provide faster and more consistent service.

Customer Experience

Faster service and better product availability enhanced the overall shopping experience, contributing to Uniqlo's reputation for convenience and quality.

Building the Future of Impact Cleaning



Advanced Analytics

Leverage AI and machine learning to gain deeper insights, enabling predictive capabilities and data-driven decision making for operations.



Global Best Practices

Adapt successful strategies from other industries and countries, customizing them to the unique context of university facilities management for maximum impact.



Employee Development

Foster a culture of continuous learning and advancement, empowering staff to contribute their ideas and expertise towards innovating cleaning services.



Collaborative Networks

Build alliances with other service providers, technology companies, and educational institutions to drive collective progress and explore synergies that benefit the wider industry.

Q&A and Next Steps

1

Open Discussion

We welcome your questions and insights on how to best implement Time and Motion Studies by Impact Cleaning.

2

Next Steps

We will follow up with a detailed exhibition outside outlining Time and Motion Studies in action.

3

Implementation Plan

We will work collaboratively to develop a comprehensive implementation plan for incorporating Time and Motion Studies across Impact Cleaning sites.

