

## A Case Study

### DSG Achieves Rapid Scrap Reduction with LUCIDI4

LUCIDI4 Solution Rolled Out to Multiple Production Lines in Malaysia and Thailand

#### Objectives

DSG International is a baby and adult diaper products company with operations across South East Asia. It wanted to continuously improve manufacturing results but it needed the right data to prioritize improvement projects. It was also essential to be able to demonstrate a return on investment (ROI) for chosen projects.

DSG CEO, Ambrose Chan recruited LUCIDI4 to improve production results at its locations across Asia by implementing processes that provide visibility into the production lines and creating processes that would help DSG reach its Industry 4.0 goals.

“LUCIDI4 technology is bringing transparency to the manufacturing plant results in line with our Industry 4.0 strategy.”

Ambrose Chan  
CEO, DSG International



#### A Synopsis

##### The Company

DSG International

##### The Product

Baby & Adult Diapers

##### The Challenge

Lack of the right data & lack of transparency hampers improvement

##### The Result

30% Scrap Reduction within first 2 months

##### How it was Achieved

Real time data in highly visual format allows frontline staff to make effective decisions on the operation and maintenance of the production lines

## Process

To establish improvement in DSG production results across all shifts, lines and factories, LUCIDi4 had to first be able to define the problem and measure the baseline.

The LUCIDi4 team has extensive experience working with global hygiene companies and understands the key data that will effect positive change. It developed a system to reliably and efficiently pull required data from production lines and this system was installed on a single DSG line. The system analyzes, sorts, assesses and categorizes the data automatically so the right information is delivered, in real time, to front line operators. DSG, like many companies, is multi-lingual, so LUCIDi4 had to provide the data in a highly visual format and the local language to

ensure the information could be acted on quickly by front line workers and was easily understood by managers.

Along with these chartered improvement projects, a unique operating strategy was employed by LUCIDi4 to significantly improve the key operating metrics.

Within two months of the initial deployment, DSG introduced the data system to a second line as production rejects had declined by 30%. Similar results were seen on the second line and the LUCIDi4 system was quickly rolled out to the remaining production lines in Thailand and Malaysia.

**“DSG are working directly with LUCIDi4 to capitalize on digital MIS (Management Information Systems) to improve quality, productivity and consistency.”**

**- Ambrose Chan  
CEO, DSG International**



## Results

DSG achieved a 30% reduction in scrap within 2 months of installing the LUCIDi4 system on its first production line. As implementation of the solution can be performed in as little as 15 minutes and is not disruptive to the production line, DSG was able to roll out the LUCIDi4 solution across several of its production lines and quickly begin

benefiting from significant scrap reduction.

As DSG grows it continues to place LUCIDi4 technology on new lines and benefit from the valuable information provided by real time data. This is helping DSG move towards their Industry 4.0 smart factory vision.

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**Your**  
Industry 4.0  
**Potential**

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