

Enabled first time right (FTR) inspection to increase Visual Inspectors qualification to at least 95%

BUSINESS CASE

Organization trends

- The visual inspectors capability to identify minute and critical errors at the site is very important
- The visual inspectors approve and qualify the site to be in good condition to start commercial runs
- The qualification pace of the site was low and the time taken to qualify the process and equipment was very high

CHALLENGE

What is the challenge

- The visual inspectors qualification rate due to low first time right, in their assessment process

Where is the challenge

- Visual inspector qualification process across the plant

When was the challenge identified

- Commercial rollout monitoring meeting

How much is the challenge

- As-is median FTR identification of critical, major and minor errors:
 - Critical A: 87%
 - Critical B: 78%
 - Major and Minor A: 73%
 - Major and Minor B: 69%
 - False Reject Rates: 8%

IMPACT

What is the impact

- Inability to meet commercialization plan for the first year of the green field project due to very low qualification rate

How much is the impact

- Estimated shortage of 10 million units for the first year
- The shortage is projected to increase year-on-year as the plan is to double the production year-on-year as per the commercial plan

TARGET

What is the Target

- Increase the Qualification rate of Visual Inspectors to help meet the commercial plan

How much is the Target

- Improve success rate to 95% for visual inspectors qualification with first time right
- Target median FTR identification of critical, major and minor errors:
 - Critical A: 95%;
 - Critical B: 95%;
 - Major A or B: 95%;
 - Minor A or B: 95%
 - False Rejects less than 5%

OUTCOMES

Increased Revenues

- Projected early realization of revenues due to preponement in the commercialization date, as the site now completes work faster
- No delays in the expected process expected as visual inspectors identification success rate has been increased beyond 95%

Improved Profits

- False Rejects rates fall to below 3%

Leaders of Tomorrow

- Belief system within employees and management that the forecasted lag in meeting the plan will be reduced

Customer Centricity

- Improved Stakeholder satisfaction

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