

M/s AB Mauri Pakistan – High Gains through Variance Reduction



Yeast Production Plant – AB Mauri

"It was a new experience of how industries in Pakistan can improve their outcome significantly by improving their production process. Management Commitment and Employee ownership are keys to continuous improvement."

Mr. Aslam Karimi

GM, AB Mauri Pakistan (Pvt.) Ltd.

ESPIRE is a partnership project between bfz gGmbH, business associations and SMEDA.

By partnering with ESPIREgreen, industries are taking responsibility to reduce the environmental impact of operations and improving resource efficiency cost effectively by adopting the following four services:

- **Chemical Management (CM) Assessment** to identify Waste Streams and risks in Chemical Flow and recommendations for Risk Mitigation and Waste Reduction
- **Productivity Assessments** to analyze Process and Material Flows, identify Production Wastes and recommendations for improving productivity
- **Resource Efficiency (RE) Assessment** to identify Waste Streams in processes and facilities and recommendations for Wastage Reduction through Good Housekeeping
- **Training of Companies** on Green Productivity issues such as Health, Safety, Environment etc. to build an enabling environment for sustainability

■ www.espire.com.pk

Background

M/s AB Mauri operates globally in yeast and bakery ingredients production with 52 plants in 26 countries, supplying plant and artisanbakers and the food service and wholesale channels. It is a technology leader in bread improvers, dough conditioners and bakery mixers.

ESPIRE Intervention

In February 2014, bfz gGmbH in collaboration with the Small & Medium Enterprises Development Authority (SMEDA) launched a certification training on Lean Six Sigma Green Belt for local industry.

The services of Six Sigma expert from VRI USA (Pakistan Chapter), Ms. Bilquis Yasmeen, were engaged for the purpose. The expert conducted an extensive 10 day training which was attended by 17 participants from 8 companies including Mr. M. Nasir Ahmed (Manager Production AB Mauri). The participants were assigned projects of Lean Six Sigma in their respective companies as a Lean Six Sigma Green Belt Certification requirement.

AB Mauri selected two projects for Lean Six Sigma: (i) *Fresh Compressed Yeast (FCY) Production Process Optimization*; (ii) *Reduction of Packing Cycle Time of Fresh Compressed Yeast (FCY)*. For 6 months the expert monitored the implementation of the projects at AB Mauri, and guided in documenting the progress and quantifying the realized cost savings.

Achievements

AB Mauri identified the root causes of variance in the Fresh Compressed Yeast production process and achieved the production increase of 9.2% and variance reduction of 90% by controlling variance in Process Parameters and developing Standard Operating Procedures. A 29% reduction in Cycle Time of Fresh Compressed Yeast Packing was achieved with variance reduction of 72% by standardizing the process parameters, increasing the speed of processes and improving conditions for workers.

The projects resulted in cumulative annual saving of 16.3 Million PKR with an investment of only 1.5 Million PKR at a 2 month payback time.

