



Technical Audit

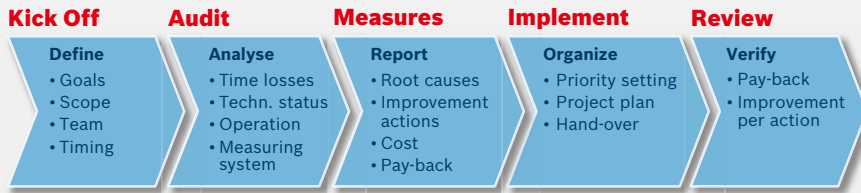
When did your machine last have a health check?

For increasing machine efficiency, Janssen Pharmaceutica relies on the know-how of Bosch Packaging Technology

Janssen Pharmaceutica

Janssen Pharmaceutica is part of Johnson & Johnson, the world's most comprehensive and broadly based healthcare company. Janssen Pharmaceutica, in Belgium, is a worldwide center of excellence of integrated pharmaceutical R&D, production and general services. The company employs over 4,000 specialists at its sites in Beerse, Geel and Olen. Janssen focuses its research activities on medical needs in psychiatry, neurology and cancer, while offering global specialized expertise in pre-clinical and clinical development, chemp-harm development, and chemical and pharmaceutical production.





Nearly all production plants have the same problems: set-up times, waiting for materials, break-downs, downtime, deviations from the planned quantity and idle periods all result in losses which become a considerable cost factor in the long run.

OEE – a revealing figure

The different losses are summed up in the Overall Equipment Efficiency (OEE = availability x level of efficiency x level of quality) rating, a key figure which was created during the development of the Total Productive Maintenance concept. This key figure is getting more and more important, as a high OEE is vital for the productivity and competitiveness of a company.

Optimizing production processes can reduce some of the previously mentioned losses. To be able to do this, the weak points need to be known, as the

causes of the losses are as different as the losses themselves. However, during daily production, it is often not possible to identify and eliminate performance stoppers.

Audit – a recipe for optimization

Our audit is the ideal way to reveal stoppers in your production process and to develop possibilities for optimization. By improving your processes, you can lower costs and save money. For instance, in previous audits, OEE increases of up to 50% have been achieved.

A powerful team

For the successful implementation of an audit, an open dialogue and steady exchange between the team members, consisting of experts from Bosch and the customer, are decisive. At Janssen Pharmaceutica, the audit team identified considerable potential on an ampoule line consisting of a washing machine, sterilizing tunnel, filling and closing machine. The audit was carried out in accordance with the described process. After the determination of targets, the

line was analyzed during production in order to identify technical and organizational stoppers. Based on the audit report, Bosch created a quotation with coordinated measures for improvement and a comparison of cost and expected use.

Success along the line

The agreed steps were implemented within a short period of time. In the final project review, the success of the audit was confirmed: the introduced measures resulted in an excellent OEE increase on the ampoule line.

As a result of this successful first audit, Janssen had another audit done on a different line.

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Pay-back example

The project cost of e. g. 325,000 € will become due:

- 30 % upon placing the order
- 60 % upon delivery
- 10 % after installation

With an expected ROI of 370,000 €/year i.e. 30,833 €/month, the project will break even after 13 months already.

