

“The Company OSRAM “

OSRAM is a multinational lighting manufacturer with headquarters in Munich, Germany. It is one of the world’s two leading light manufacturers in the world. The company covers the entire value chain from components to electronic control gears as well as complete luminaires, light management systems and lighting solutions.

OSRAM was founded on July 1, 1919 by the merger of the incandescent lamp manufacturing activities of AEG, Siemens & Halske AG and Deutsche Gasglühlicht-Anstalt (Auer-Gesellschaft).

The OSRAM brand was registered on April 17, 1906 in Berlin by the Auer-Gesellschaft.

At that time, Osmium and Wolfram were needed to produce filaments. The company name: OSRAM Werke GmbH was created combining the names of these two materials. The company logo is a symbolized lamp, which is not only the universal symbol for light but also represents good ideas. On July 8, 2013, OSRAM was spun off from Siemens and listed on the Frankfurt Stock Exchange.

More than 70% of OSRAM revenue comes from energy efficient products. The company’s business activities have been focusing on light for over 100 years.

OSRAM is a leading player across for classic lighting as well as new technologies.

With LED-based products making up a share of about 39 percent of the total turnover, the company is setting trends with regard to technological changes in the lighting market.

The expenditure for research and development is at approximately 5.5% of the turnover.

OSRAM is the world's number one supplier of automotive lamps and LEDs for vehicles.

OSRAM is also one of the market leaders in the field of electronic control gear for lamps.

Business with optical semiconductors is growing rapidly and has taken on major strategic importance.

At their site in Garching / Munich, OSRAM develops electronic ballasts to dim fluorescent lamps and components for light management systems. In the past, OSRAM produced electronic control gear for modern light sources at the site in Traunreut. In 2009, the company relocated the production to sites in Treviso, Italy and Panyu, China.

Mass production was relocated to China because of cost pressure.

The daughter Company Siteco, a leading producer of technical indoor- and outdoor lighting and client oriented lighting solutions, is stationed at the site in Traunreut.



Figure 1 OSRAM company logo

Projektskizze IPA17/M

Arbeitstitel

Determination and TCO Evaluation of Production Output Improvements @ Electronics Production

Ausgangssituation / Randbedingungen

Design History of Classic LED Lamps Successfully Developed Within OSRAM



Arbeitspakete: Determination and TCO Evaluation of Production Output Improvements @ Electronics Production

Evaluation Points:

- Evaluation of current state of Production and Material flow at Electronic LEDr Classic A - Lamp production at Eichstätt:
Time study evaluation, Value add analyze & Production Layout analyze
- Determination of possible Production Output Improvements: Automation Concepts, Bottleneck elimination, Machine up time improvements, Planned Maintenance strategy,
- Benchmark of Different solutions with dedicated TCO calculation (based on volume, stock costs, operator costs)
- Define together with global Manufacturing responsible the final Project implementation strategy
- Implement evaluated measures at production line at Eichstätt
- Finalize Output Improvement Calculation and Saving overview
- Prepare Management Presentation

Lösungsansatz / Aufgabenstellung

Phase 1

Define and Analyze Current State at Electronic LEDr Classic A- Lamp production at Eichstätt

Phase 2

Define & implement of measures for Production Output Improvements, Saving calculation

Standort

OSRAM Eichstätt

Besondere Anforderungen

MS-Produkte (vor allem Excel, Access)

Verständnis Technischer Zusammenhänge & Lean Manufacturing

Ideale Teamgröße: 2-3 Studierende