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## INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“INTEGRATING CLEANER PRODUCTION INTO SUSTAINABILITY STRATEGIES”

### **Application of Cleaner Production in a Process of Sockets Lighting Package, a Case Study**

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#### **Abstract**

Cleaner Production brings a differentiated approach on waste management, since it allows to the company to have a better knowledge of its manufacturing process; constantly monitoring the process, the generated waste becomes an opportunity for improvement.

The aim of this study was to reuse and to optimize the use of packaging in a business outsourcer mounting sockets lamps. Since the packaging used in the receipt of parts for assembly and shipment of finished parts were large and contains a few pieces, it could be better used. It was carrying out a study to increase the capacity and reuse of the pack.

The results were satisfactory, since it has increased the capacity for packaging receiving socket housing parts from 65% to 78% and the socket cover from 48% to 86.4%. The package mounted socket doubled its storage capacity from 50 to 100 pieces. The environmental benefit was the cutback of consumption of 16,075 units of plastic packaging. The economic benefits were R\$ 4.191,25 per year, without investments. It was proved the efficiency of cleaner production even in small and simple projects.

*Keywords: packing, sockets, cleaner production*

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