

## **Recycling Milestone in Luxembourg Due to Intelligent Waste Locks**

Schifflange/Luxembourg – October 1, 2015, the municipality of Schifflange has laid a foundation for a nationwide recycling by introducing intelligent waste locks. Identification technology provided by MOBA, now the amount of waste will be accurately weighed and assigned to each household. According to the pay-as-you-throw principle, citizens thus only pay the disposal of waste that they produce.

The software MAWIS used by the disposer and the municipality in combination with modern identification and weighing technology creates a communication between the waste containers and disposal vehicles possible. When collecting containers, the amounts of waste are weighed on the spot and assigned to the individual households. Subsequently, the disposer, LAMESCH, stores and handles the collected data on a central server to calculate monthly consumption patterns of each household. Accordingly, costs for the disposal are individually billed. Residential complexes additionally profit from the GWA system that prevents third-party usage. Waste locks equipped with RFID-technology require an identification of the resident by personal transponders prior to the insertion of waste.

The implementation of intelligent waste locks is a milestone in the history of recycling in the Grand Duchy of Luxembourg. Based on the European Directive 2008/98/EG, the National Waste Management Act of March 21, 2012, had already determined a rigorous reduction of residual waste. The possibility to identify the true producer now offers an incentive to reduce as well as separate waste. The consequence is a residual waste reduction of up to 68%, which even saves citizens up to 66% in disposal costs.

MOBA is a global player in the world of mobile automation. It offers all-round solutions for different industries by undertaking the concept and development of an application, assisting with the product launch and permanently providing a premium service. Solutions for the waste management industry have been designed at the Dresden location for more than 25 years. Due to a long-term experience in the field and the necessary expertise, MOBA is a pioneer in developing identification and mobile weighing systems.

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**Press contact:**

MOBA AG

Markus Schmitt

Tel.: 06431-9577-287

E-Mail: [marketing@moba.de](mailto:marketing@moba.de)

[www.moba.de](http://www.moba.de)