



The ESA Business Incubation Centre in Darmstadt, Germany, was founded in 2007 and is managed by Centrum für Satellitennavigation Hessen (cesah). The centre offers business start-up support as well as technical expertise in different space related areas, and in particular in satellite navigation, data systems, software systems and navigation test environments.

lacta Capital GmbH

The objective: how to avoid waste of money with the right waste collection system.



Website

Founded in 2013 by

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Incubation period

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space solutions

About lacta Capital GmbH

lacta capital GmbH is an independent Engineering company. lacta capital GmbH is aiming at providing nationwide and comprehensively innovative wastebaskets to the public sector. Through built in technical functions in wastebaskets, the operation can be handled in general more efficient and economic and will save up to 50% of the present public cost to empty the same.

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The challenge

Garbage collection from public waste baskets is a huge cost driver for all communities. The intelligent waste basket system from lacta capital helps communities to avoid waste of money with the right waste collection system as it continuously measures its level of trash and transmits this data together with its position to the control centre of the communities (GNSS & GSM). The disposal teams now become flexible in responding to fluctuations in the waste collection.

The solution

The intelligent waste basket system from lacta capital named “OSCAR” works completely autonomously. “OSCAR” continuously measures its level of trash and transmits the data to the control center. Disposal teams are always aware of this and when it becomes critically somewhere they are able to flexibly respond to fluctuations in the collection of this waste. “OSCAR” compresses its contents automatically. With this technology “OSCAR” can tolerate about 3 to 4 times as much content as a traditional trash can. The software for the route optimization sends the disposal teams only to “OSCARs” that are as good as full. The disposal teams gain valuable time for other tasks.
