



*One of Renvoas recycled aggregates product waiting for an appropriate customer*

## Automating environmental profiling for Renovas recycled aggregates

**Gothenburg aims to become a climate-neutral city by 2030. By then, 50% of the sales of aggregate material in Gothenburg should consist of reused/recycled materials (today it is about 12% in the whole of Sweden). Is this achievable within the next 8 years?**

Where you sit right now, you are surrounded by aggregates (sand & gravel) – in the bricks, concrete and asphalt that make up most of our infrastructure; aggregates are the main component. Today, 90% of that aggregates in Sweden are produced in quarries from crushed rock. Companies such as Renova have started selling recycled aggregates to minimize the need for society to rely on virgin material. However, the environmental and economical gains are not obvious to the consumer and the CE marking of the products is not applicable

In this project, you will work directly with Renova and Chalmers Rock Processing Systems group to develop a solution that can handle, process and transform their data to reflect environmental performance in a relevant and relatable way. You will also need to set up strategies to maximize our chances of becoming a climate-neutral city by 2030. Your solution could help companies to achieve their improvement goals, and optimize construction work from an environmental perspective.

### Litteraturförslag:

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### Målgrupp

M, Z, TM, D, E, I, GS

### Gruppstorlek

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### Speciella förkunskaper

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### Kan det dubbleras?

Ja