

### **Technologies on Resource Recovery:**

#### **Hydrothermal carbonisation (HTC)**

**First results:**

First samples of Aquafin sludge were tested in lab and industry scale, with promising results. The technical optimization of the HTC plant led to a perfect carbonization process. Detailed data collection from sludge and HTC coal was done, but is still to be analyzed in depth.

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#### **Product processing concept for incinerated sludge ash valorization including its high value use as construction material and fertilizers**

**First results:**

The leaching process for the untreated ash has been optimized. A sufficient amount of ashes have been received for grinding trials. Leaching experiments on ground ash are being performed. A batch of ground ash has been sent to VTT for separation experiments. The shipping of a larger quantity of ash to Finland is proceeding, we have a transport company willing to ship the ash and the paperwork for obtaining the permits is proceeding.

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