Sokop
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Engineering Data Intelligence

Karlsruher Institut für Technologie

Ministerium für Umwelt, Klima und Energiewirtschaft Baden-Württemberg

AI Tool for Predictive Process Optimization and Control

#Waste2Energy *#DigitalTwin*

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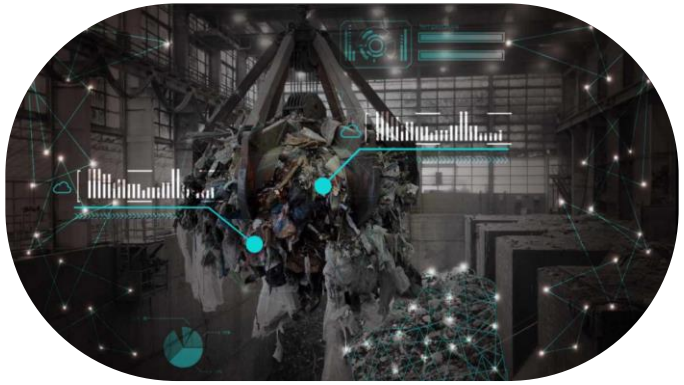
Use Case: Predictive Control for waste incineration plants (Waste2Energy)

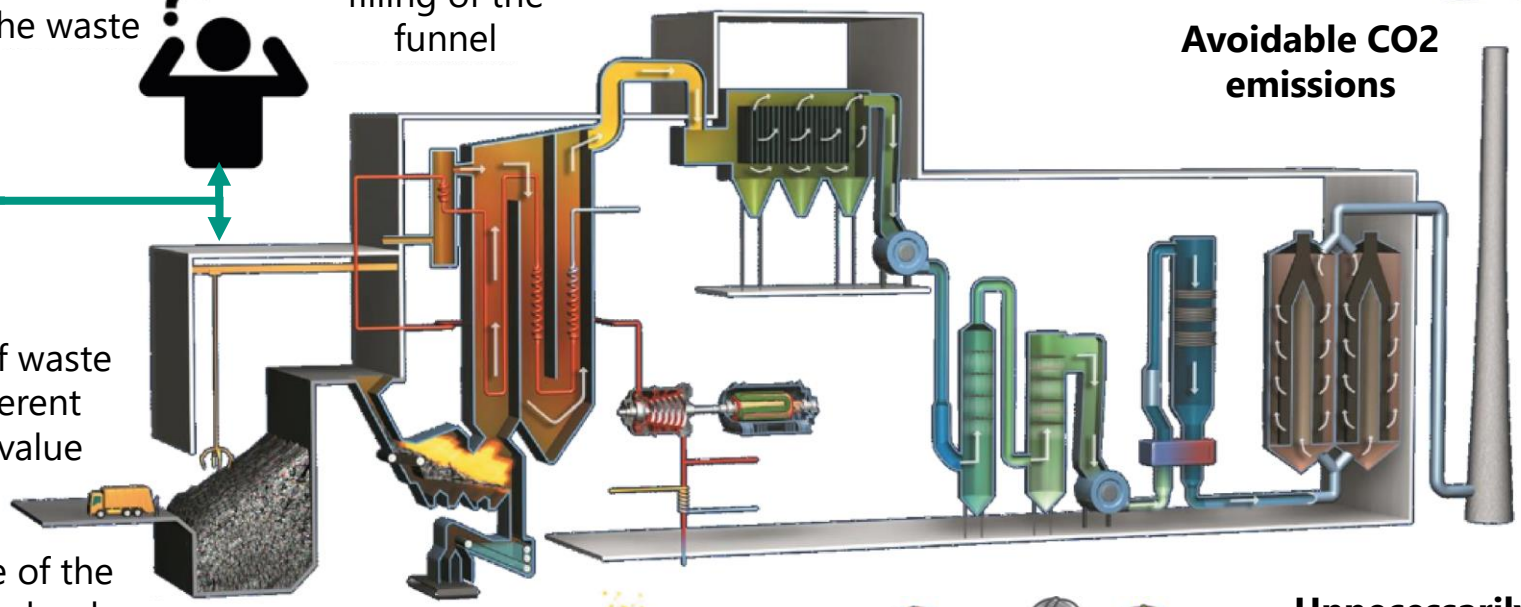


Subjective, uncertain estimation of calorific value of the waste

Suboptimal filling of the funnel

Delivery of waste with different calorific value

Calorific value of the waste inside the bunker is unknown



Avoidable CO2 emissions

Unnecessarily high consumption of natural gas for support firing

Unnecessarily long downtime of the plant, due to maintenance work

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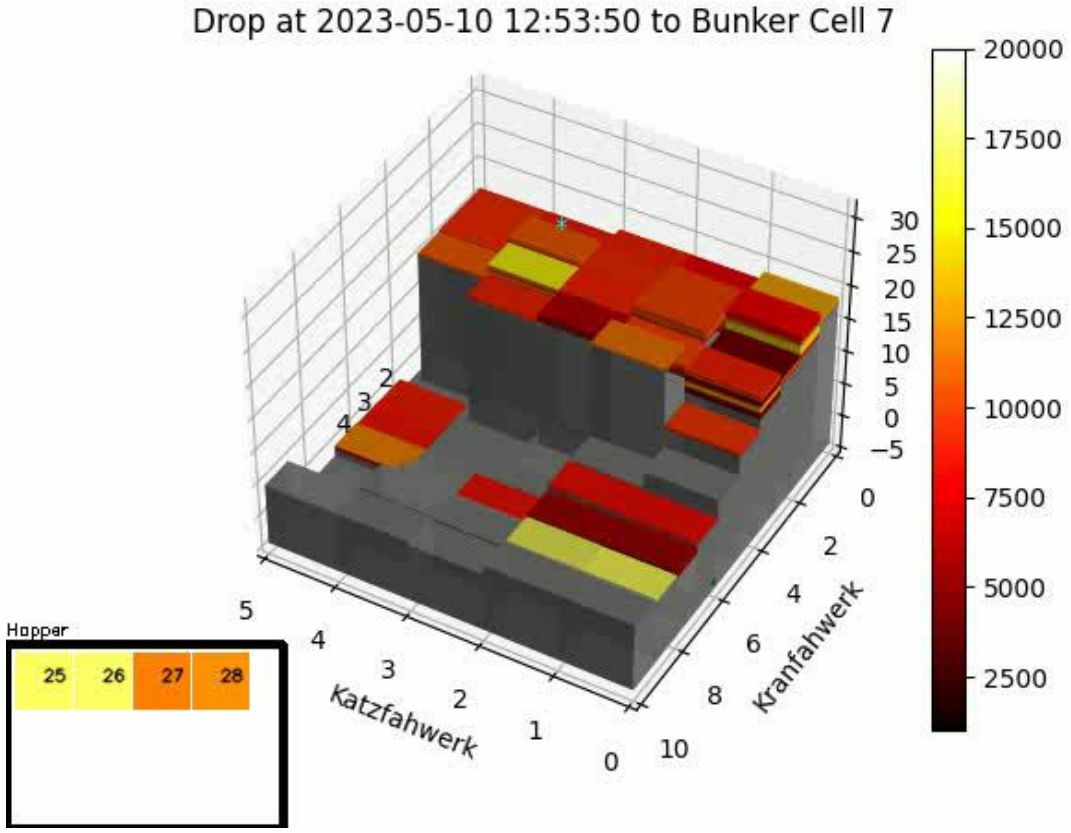

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the European Commission's
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