The overriding objective of investment planning is to maintain the value of the asset based on its physical condition and its ability to generate income in the short and longer term.

This service will enable management to decide how the company shall invest in the years to come to enable a steady income and maintain the asset value.

Ramboll will elaborate a report that inventories future operation- and maintenance recommendations in order to be able to operate the plant efficiently and according to applicable standards and regulations until the decommissioning.

This work will be completed by combining an analysis of historic operation and maintenance regime and with client requirements regarding future operation of the plant.

This service will enable management to decide the investments needed to enable maximum income and maintain the asset value. The optimal investment plan relies on a precise understanding of the facility condition and the hence this service typically includes a thorough condition assessment.

The condition will be evaluated based on operational data, maintenance data, plant inspections, interviews of relevant personnel and in some occasions measurements. With great market specific experience, and technical excellence Ramboll can evaluate the optimal investment plan for any Waste-to-Energy facility given it’s unique configuration and position in local waste and energy systems.

Cost and benefit of improving the facility is always a part of the investment planning analysis and Ramboll will suggest improvements to the facility that will have a significant positive business case if any such are identified during our investigations. Ramboll will hold continues maintenance costs against the cost of reinvestment in new equipment/lines/plants and this will be included in the proposed investment planning.

WHAT
The future value of the asset must be maintained or increased.

WHY
• Lower gate fee
• New environmental legislation
• Increased income
• Plan future investments

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REFERENCES

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- Life extension study Flötsersteig, Vienna, Austria
- Technical and financial condition assessments and investment planning on two WtE incineration lines, Vattenfall, Uppsala, Sweden
- Technical due diligence, Thisted, Denmark
- Technical due diligence, Odense, Denmark
- Technical condition assessments and investment planning on five WtE incineration lines, NLWA, Edmonton, London, UK
- Technical due diligence, Uppsala, Sweden
- Technical due diligence, London, UK
- Technical condition assessments planning on two WtE incineration lines, Horsens Fjernvarme, Horsens, Denmark
- Technical due diligence, Falster, Denmark
- Technical due diligence, Stavanger, Norway
- Technical and financial condition assessments and investment planning on WtE incineration lines, Odense, Denmark
- Technical due diligence, Isle of Man, UK
- Technical due diligence, Düsseldorf, Germany
- Technical condition assessments on one natural gas fired combined heat and power plant, Helsingør Fjernvarme, Helsingør, Denmark
- Technical due diligence, Brandenburg, Germany
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- Technical condition assessments on one natural gas fired combined heat and power plant, Hillerød Fjernvarme, Hillerød, Denmark
- Technical due diligence, Bornholm, Denmark
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- Technical condition assessments on one WtE incineration line, Svendborg Kraftvarme, Denmark
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- Technical condition assessments on two WtE incineration lines, Leirvik, Faroe Island
- Technical condition assessments on WtE incineration, Saarbrucken, Germany
- Technical condition assessments on two WtE incineration lines, Giubiasco, Switzerland
- Technical due diligence, Torshavn, Faroe Island
- Technical due diligence, Leirvik, Faroe Island
- Technical due diligence, Malmö, Sweden
- Technical due diligence, Halmstad, Sweden
- Technical due diligence, Oslo, Norway

WTE FACILITY, NLWA, EDMONTON, LONDON, UK

CUSTOMER NLWA, North London Waste Authority
LOCATION London, UK
PERIOD 2009-2020
SERVICES PROVIDED Condition assessment of five incineration lines. CAPEX investment planning for the remaining life time of the five lines

WTE FACILITY, RENO-NORD, DENMARK

CUSTOMER Reno-Nord
LOCATION Aalborg, Denmark
PERIOD 2016-2019
SERVICES PROVIDED Owners engineer for the capacity extention of oven line 3. Environmental impact assessment, environmental application and other authority applications

WTE FACILITY, TRONDHEIM, NORWAY

CUSTOMER Statkraft varme AS
LOCATION Trondheim, Norway
PERIOD 2017-2018
SERVICES PROVIDED Lifetime assessment of two incineration lines