

# **60 Years of Development in Kraft Recovery Boiler Technology**

## **featuring FRBC Highlights**

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The Finnish Recovery Boiler Committee (FRBC) has promoted safe, economic, and environmentally friendly operation of recovery boilers and closely related processes since 1964. It was generated from technical reasons. A persistent and expensive wall tube corrosion enigma hitting all high-pressure (80 bar) recovery boilers had to be solved. Mills were spending huge money to keep the boilers up and running.

A constituent meeting was held in 1964 with the participants from all boiler owners, boiler vendors, and professionals around the topic. A co-funded 2-year research project was initiated to solve wall-tube corrosion issues. That meeting was also the foundation for the present FRBC.

Today, the members of the FRBC consist of pulp mills, recovery boiler manufacturers and several insurance, engineering, inspection, and research organizations that operate in Finland. Additionally, universities and the Finnish Safety and Chemicals Agency are involved in activities of the FRBC.

This paper highlights the development of kraft recovery boilers during the past 60 years and the role of FRBC in the development process. With the aid of FRBC community many new processes have been launched and recovery boiler operation have become safer, as well as more economical and environmental friendly.