

SAIF-ALDAIN AQEL  
FINAL PROJECT



M Ú E G Y E T E M 1 7 8 2

BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS

FACULTY OF MECHANICAL ENGINEERING

DEPARTMENT OF ENERGY ENGINEERING



SAIF-ALDAIN AQEL

FINAL PROJECT

Heat Transfer and Fluid Flow Calculations of  
Industrial Shell Boilers and Evaluation of  
Operating Conditions

Supervisor:  
Dr Lezsovits Ference

Budapest, 2025