

Welcome to

EEN-E2002 Combustion Technology

Lecture on 1 Mar 2019

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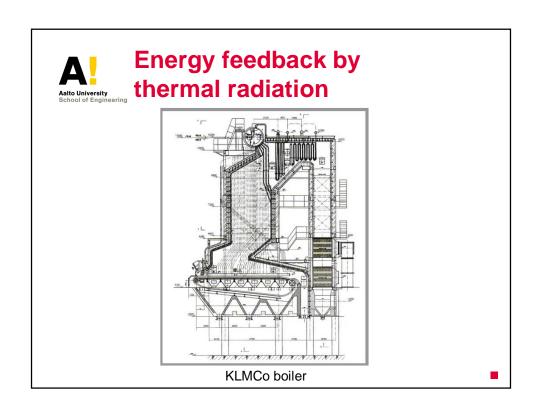
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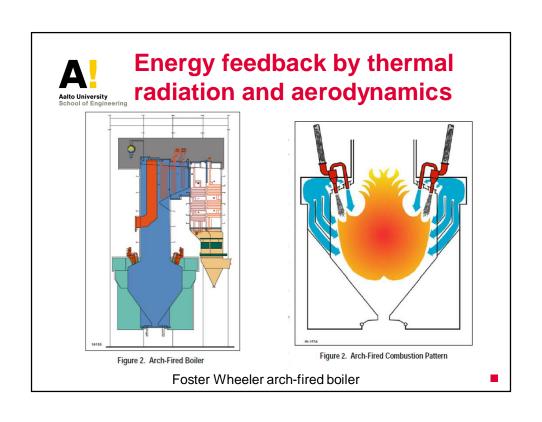


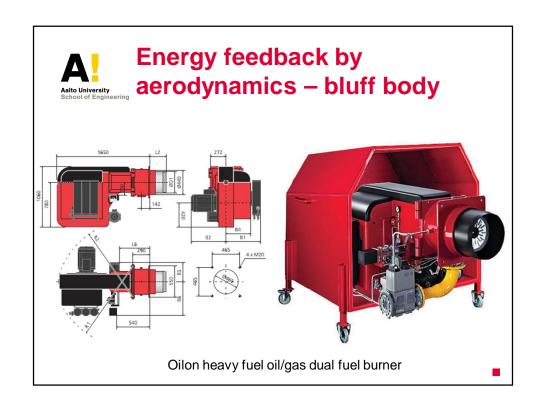
Today's topics:

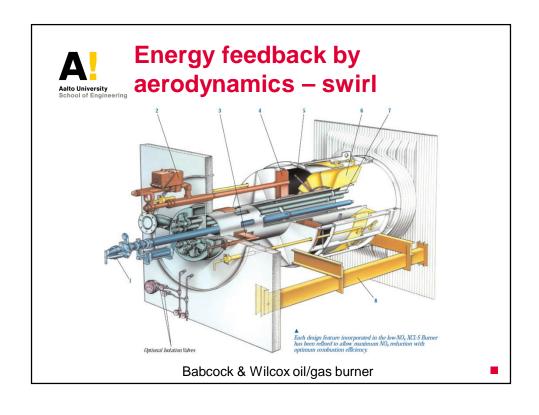
- ➤ Boiler heat and mass balances (cont'd)
- ➤ Boiler fuels, fuel properties

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Amec Foster Wheeler boilers

https://www.youtube.com/watch?v=SQiq3OOlg5I

Valmet Hybex boilers

 $\underline{https://www.youtube.com/watch?v=KcR62W2z8KE}$

References

Alto University
School of Engineering

Kenneth L. Maloney, PhD, Inc. (referred to as KLMCo) http://www.combustionexperts.com/products/sb_35t_382.html Accessed 11 Sep 2013

S. J. Goidich & D. E. Wagner (2006), Supercritical boiler options for firing low-volatile Chinese coals. http://www.fwc.com/publications/tech_papers/files/TP_CFB_06_04.pdf Accessed 11 Sep 2013

Oilon Burner series 300 - 700 http://www.oilon.com/uploadedFiles/Oilon/Materials/Oilon 4 EN.pdf Accessed 11 Sep 2013

Babcock & Wilcox XCL-S burner brochure

4