Comparison of district heating systems used in China and Denmark - DTU Orbit
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An overview of the technological differences between the district heating (DH) system used in China and Denmark is
discussed. Although the Chinese DH systems are primarily fueled by coal and it is expected to remain this way in the near
future, the reduction of network temperatures is a very important step towards increasing energy efficiency. If the Danish
and the Chinese systems are compared from plant to consumer it can be seen that the Danish DR apply pre-insulated
pipes, twin pipes where possible, with high insulation properties compared to the Chinese systems that generally apply
single pipes with insulation typically added on-site. In Danish networks the control is situated in substations close to the
consumers while in Chinese networks control is situated in big area substations. DHW is prepared by DR in Denmark
while it is generally prepared by individual solutions in China. The Chinese DH systems are primarily fueled by coal and it
is expected to remain this way in the near future.

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