

TAKING
COOPERATION
FORWARD



TT3: Emissions, Air Quality, Fuel and Ash Logistic
Webinar, 02/12/2020



Ash handling and logistics



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CONTENT

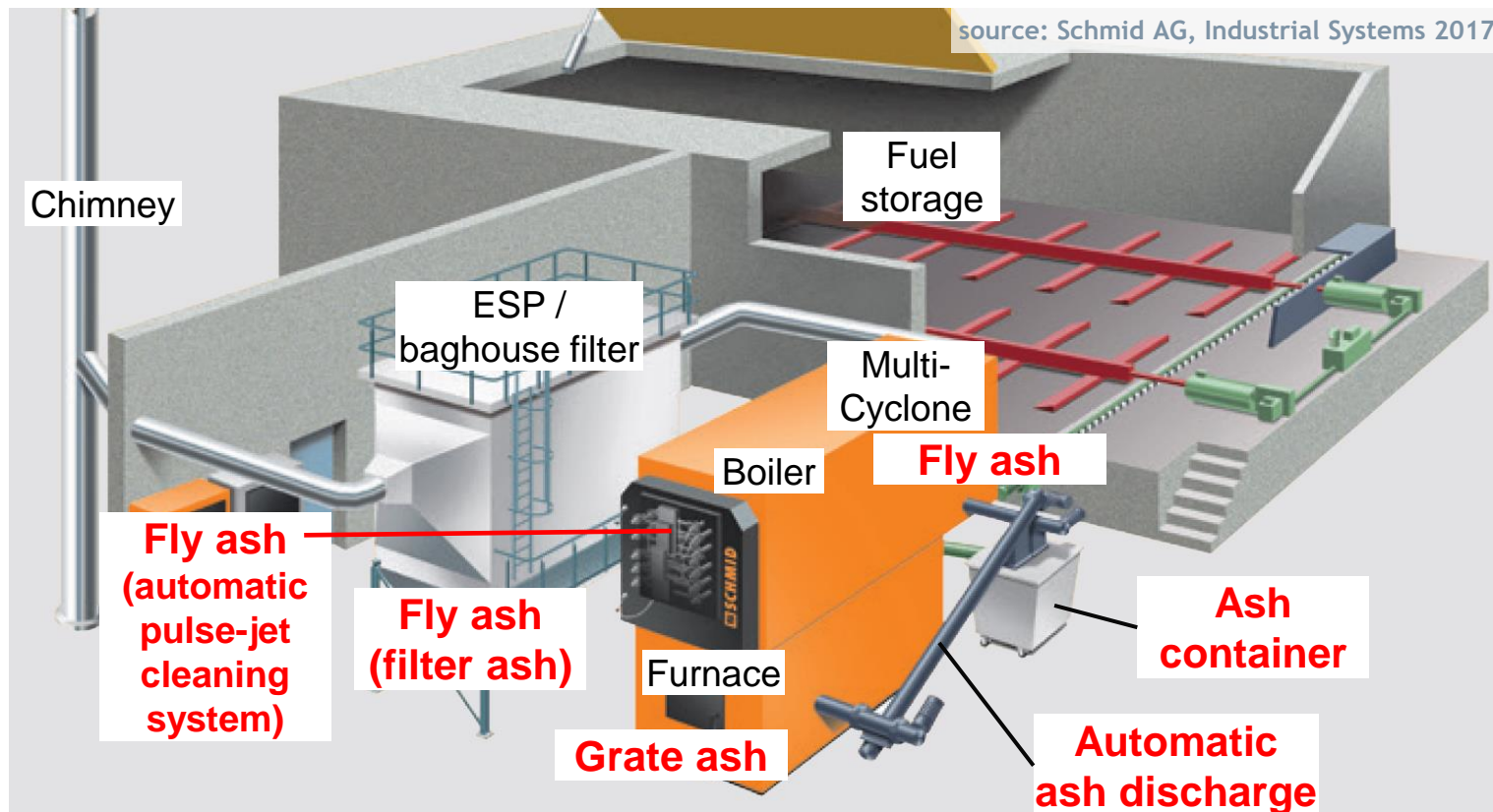
Where ashes
occur

Ash logistics
plant technology

Notes / recom-
mendations



WHERE ASHES OCCUR



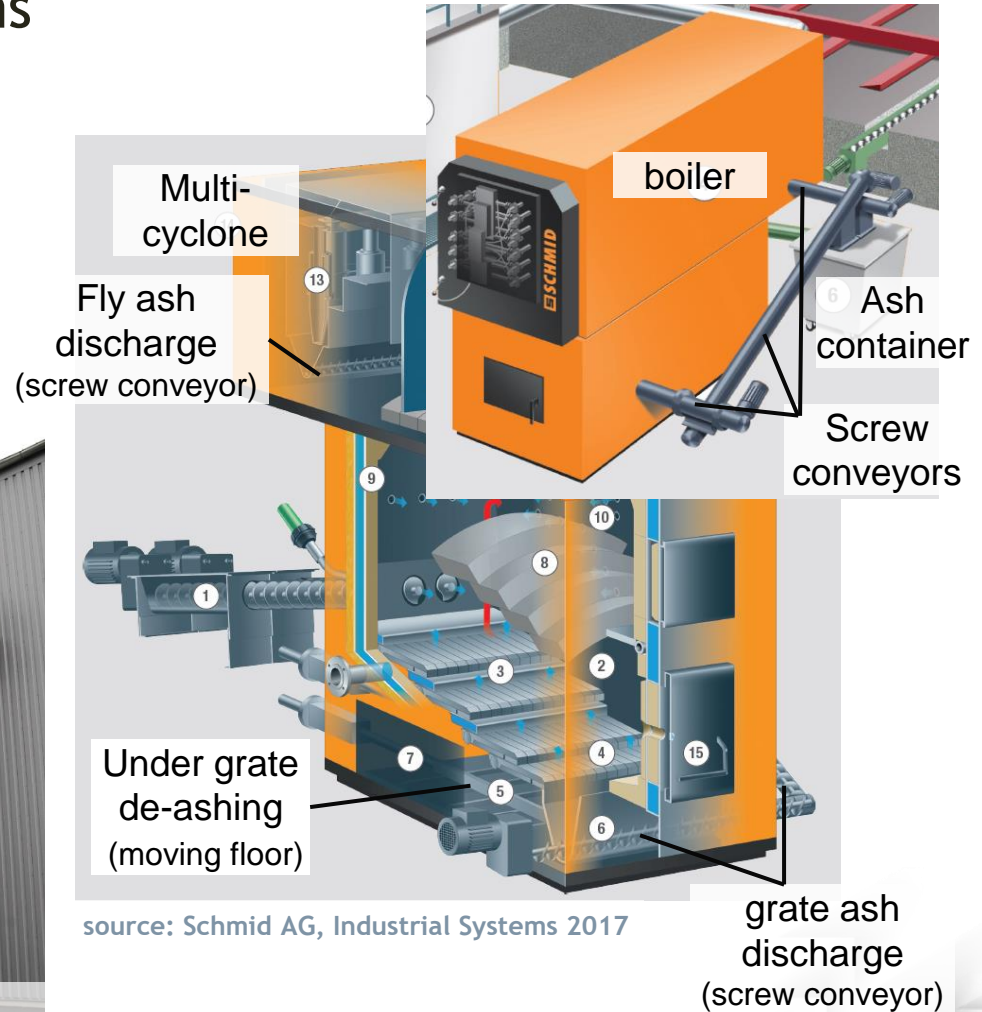
ASH LOGISTICS PLANT TECHNOLOGY

Automatic ash discharge systems

- Push rods / moving floors
- Screw conveyors
- Trough chain conveyors
(at bigger plants, see below)



source: UlrichUlrich own foto, CC BY-SA 3.0,
<https://commons.wikimedia.org/w/index.php?curid=12471200>



ASH LOGISTICS NOTES / RECOMMENDATIONS

- Attention! Hot, dirty and dusty ...
 - Air tightness (whole system, container)
 - Safety regarding handling
- Ash fractions (grate ash, fly ash from filters) are usually collected separately.
- Transport and ash disposal/utilization are regulated by law.
- Shortest possible distances between point of discharge and ash container (minimizes issues due to clogging)
- If possible direct discharge into container
- Sufficient space for container handling (truck shunting)



source: Schmid AG,
Industrial Systems 2017



source: Kohlbach group



THANK YOU!



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