PDU plant (15 kg/h), KIT version

- Bucket elevator, indirect heating:
  + No restriction for heat carriers regarding particle size and density.
  - Low heat transfer through heat exchanger walls (surface↑, costs↑).

Pilot plant at KIT (500 kg/h), Lurgi version

- Pneumatic sandlift, direct heating:
  + Good heat exchange conditions and simultaneous transport.
  - Expected higher attrition.
  - Formation of pollutants (CO).