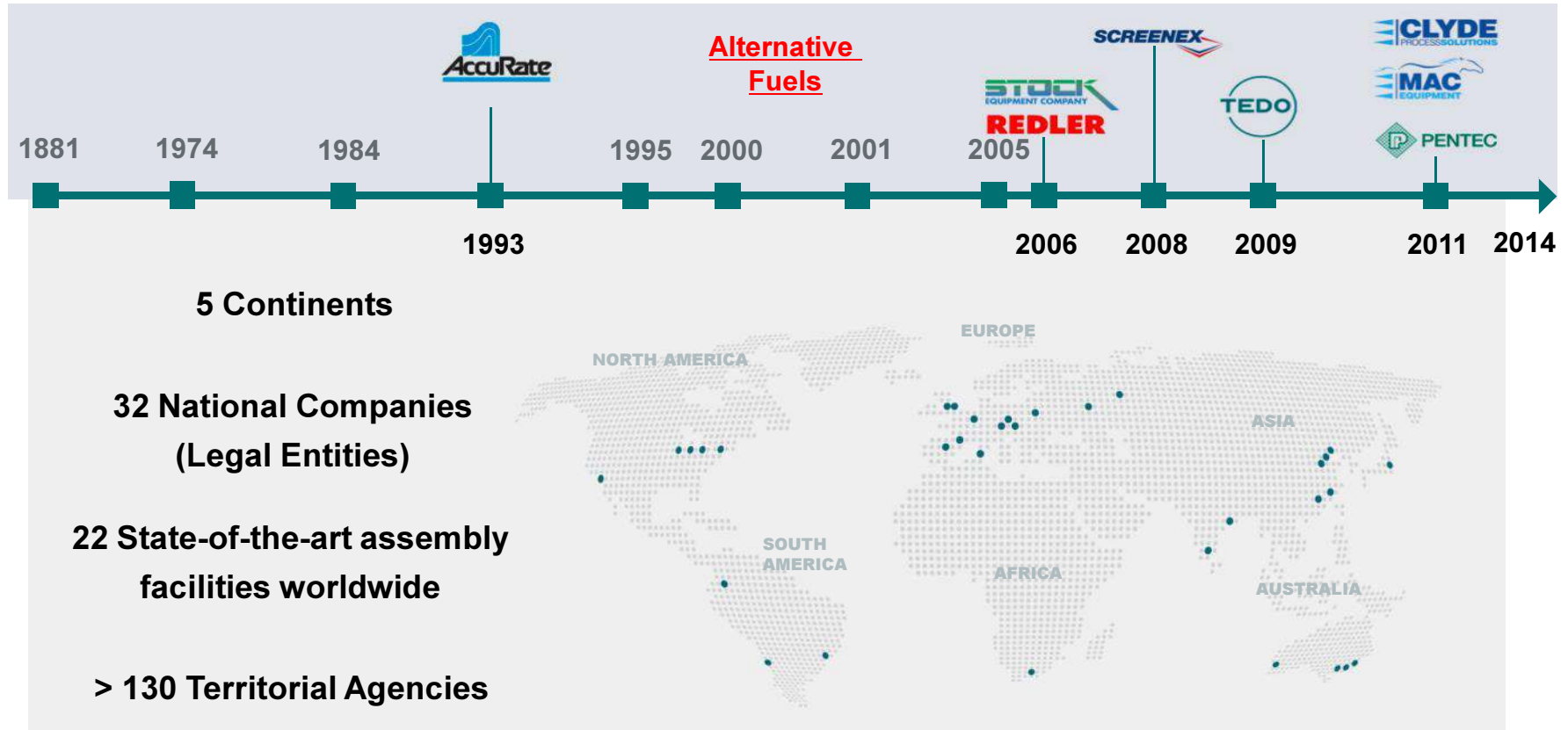


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Schenck Process Group
Global solution for Alternative fuel feeding system

From Global Experience to Local Activities



Having hundreds of different successful installation worldwide can give an overview of the Schenck Process capabilities and flexibilities.

Thinking globally, acting locally !

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Alternative Fuels test centre

Test runs for new developments and trial runs with various type of alternative fuels



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Alternative Fuels systems by Schenck process



Reception



Storage



Conveying



Feeding

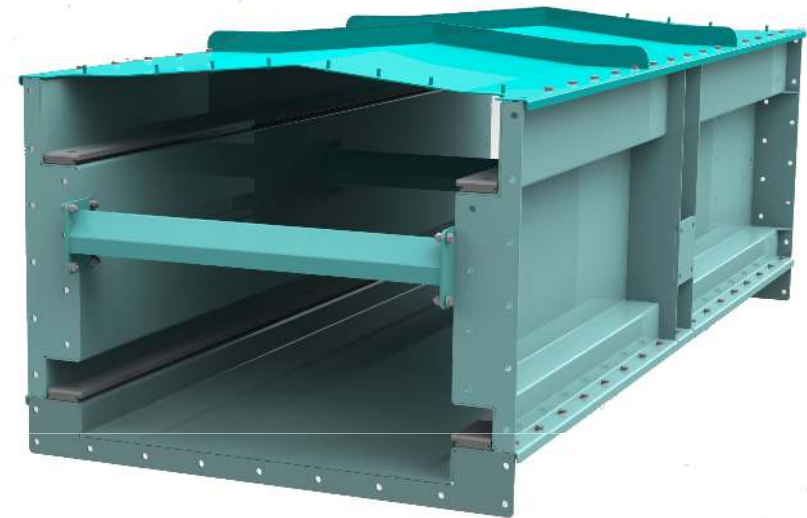


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Design features of the new chain conveyor

New shape of the casing brings following benefits:

1. Weight decreasing due to the reinforced shape
2. To protect chain from the material stream
3. Clean shape from inside



New chain configuration brings following benefits:

1. decrease additional unwelcome stress to the chain links and pins.
2. Possible to absorb different extension of the chain links on both sides the absorb distance could be up to 75 mm
3. Significant decreasing of the flight weight

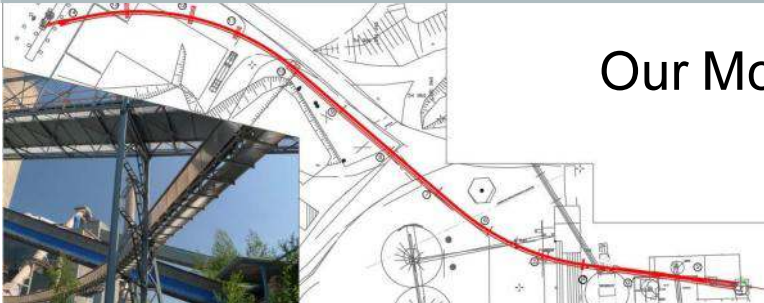


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Tasks of Conveying Demands, Desire...



...and Real Installations



Our Motto:

„We will either find a way,
or make one.“

Hannibal



TEDO tube and U - conveyor

Reliable and spillage free conveying –
Barriers in the conveying trajectory makes no problems for Schenck Process



TEDO tube conveyor



TEDO U - conveyor



- Able to handle long distances and problematic topographic areas
- Spillage free transportation of alternative fuels
- Inclination up to 30°
- Walk way integrated in support structure
- Long distance between support piles possible (>60m)



Tasks of storage

Storage concept



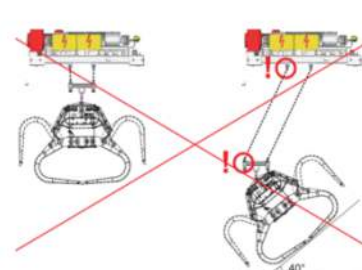
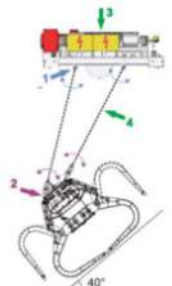
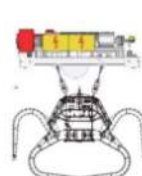
- ❖ **Type of the storage:** Reflecting the storage capacity and material to be stored we can provide you the best storage system.
- ❖ **Related technology:** Logistic, material reception – with or without underground civil works, material discharging, related conveying systems.
- ❖ **Specialty:** Grab inclination design.



We can supply grab that could be operated inclined



For major crane suppliers, grab inclination not possible !!!



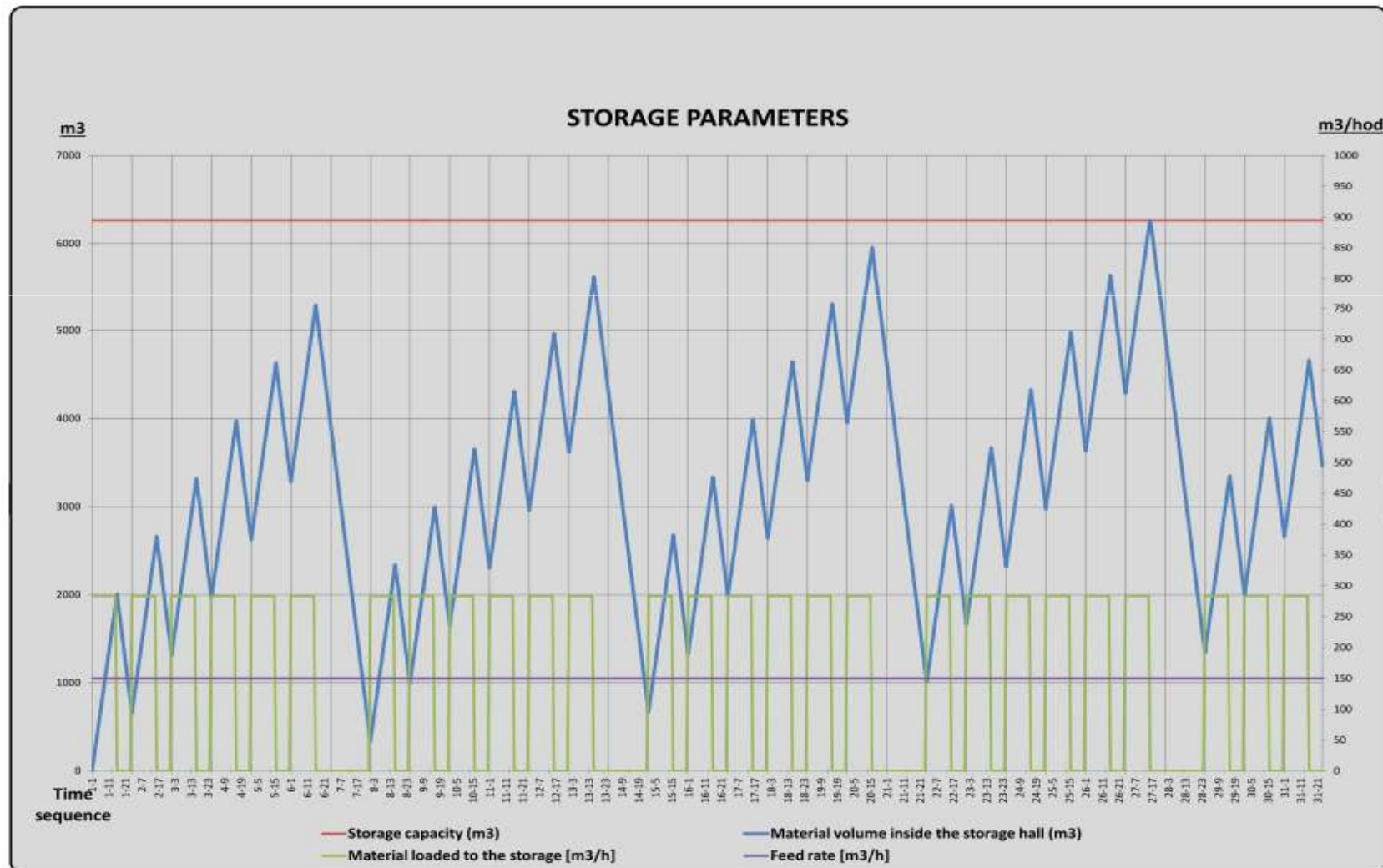
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Tasks of storage

Storage concept

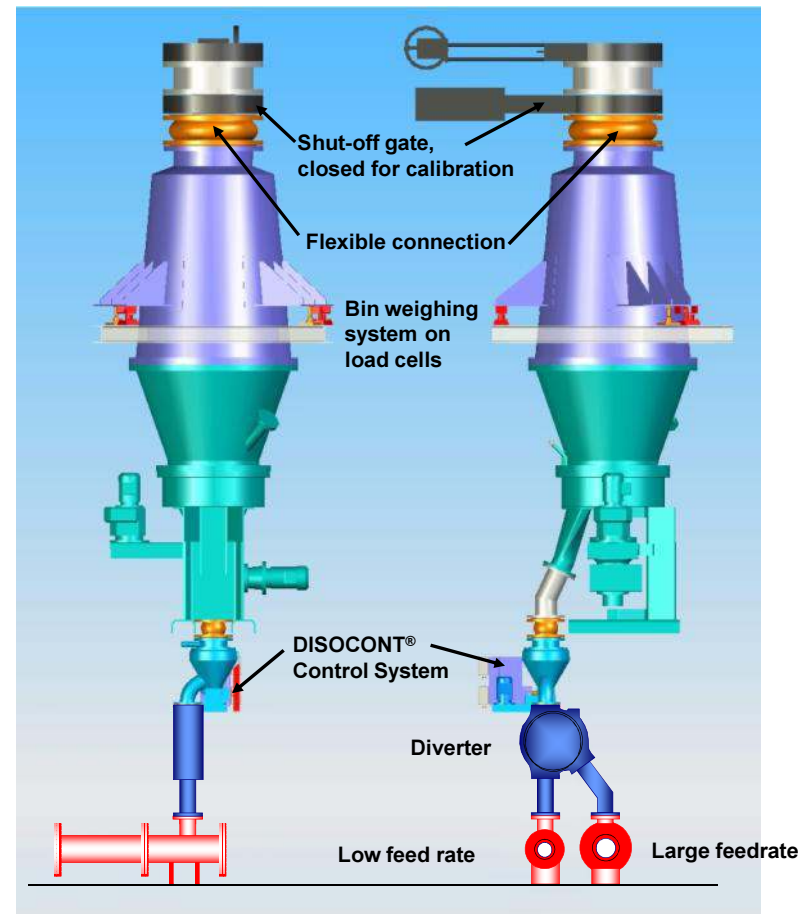
Storage design:

optimal storage parameters according to the required feed rate, possibility of the truck reception time, required storing time and the relating technology before and after the storage.



Demands on coal dust feeding systems by using secondary fuels

- Wide feed rate ranges: 1:50 – 1:100
- Design of feeding equipment for low feed rates suitable
- Possibility to use two conveying lines (only for calciner)
- Possibility of on stream calibration (mainly at low feed rates)



Heidelberg Cement, Mokrá plant

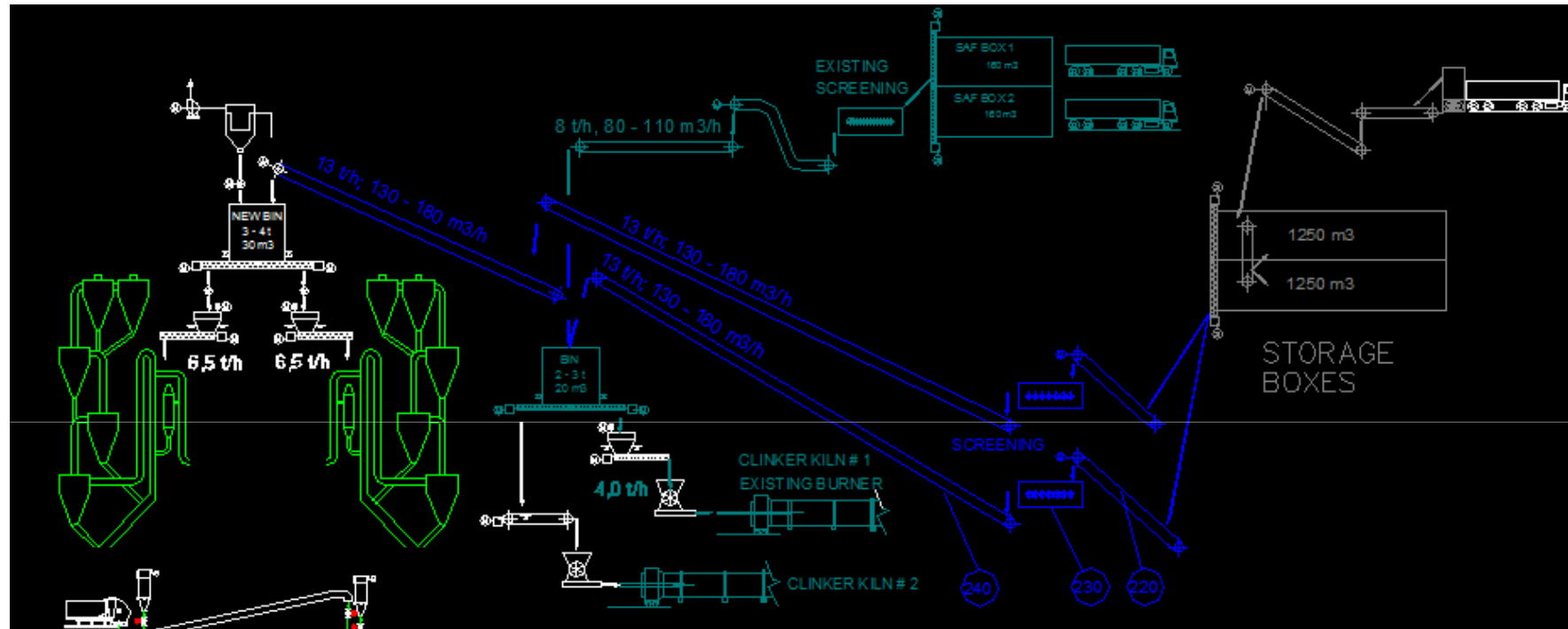
Feeding RDF to main burner and calciner (combustion chamber), 4 x 5 t/hr

Feeding sewage sludge to main burner, 2 x 2,5 t/hour

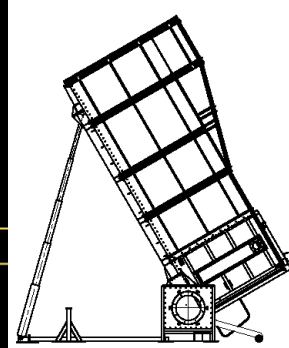
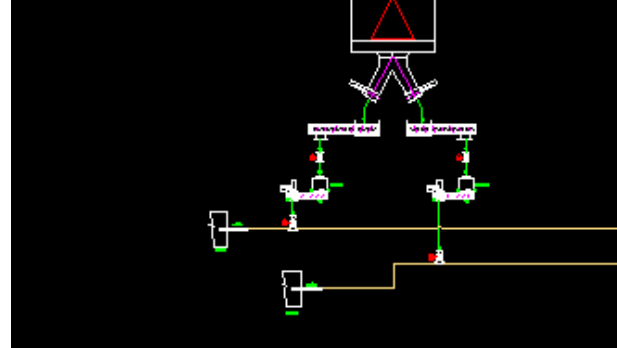


Heidelberg Cement, Mokr plant

Feeding RDF to main burner and calciner (combustion chamber), 4 x 5 t/hr



Feeding Sewage sludge to main burner 2 x 3 t/hr



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Members of the Schenck Process Group

The Schenck Process Group comprises of the following companies:



Thank you very much

one company
one vision

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