

tkH₂Steel

Deployment of hydrogen in steelmaking

December 1st, 2020 | Dr. Markus Schöffel
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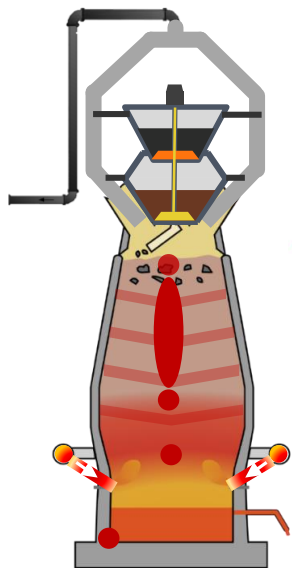
engineering.tomorrow.together.



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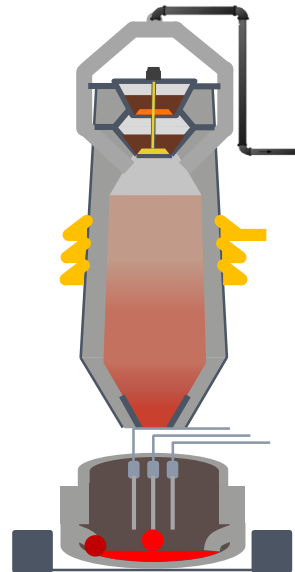
Transformation to H₂-DRI steelmaking requires large volumes of climate neutral hydrogen

Coal based blast furnace



Germany 2019:
27,7 Mt crude steel
from primary steelmaking

Hydrogen based direct reduction plant with electric melter



No production today,
available from
2024/2026

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