

Committed to contribute to the UN's SDG's...



Reducing hazardous chemicals and air, water and soil pollution and contamination via *Tail Gas Purification*: the **SDS μ -Scrubber** enables the EU target for ammonia plants to reduce harmful NH₃ emissions by 21% by 2030, as well CO₂, SO₂ & NO_x.



- **SDS μ -Separator** critical component in ammonia synthesis for **green** ammonia plants, reducing its footprint by >5x (*Process Purification*)
- Enabling cleaner fossil fuel technology by capturing CO₂ effectively with **SDS μ -Scrubber**



Reducing waste generation through prevention, reduction, recycling and reuse: SDS's *Product Recovery* solutions contribute to:

- Reduce waste streams & sustainable mngt.
- efficient use of natural resources
- environmentally sound management of chemicals throughout their life cycle



Reducing proportion of untreated wastewater & increasing recycling and safe reuse globally: Factor 2 lower industrial water usage with **SDS μ -Washer**. By 2030, substantially increase water-use efficiency across all sectors & ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity.



- Increase economic productivity levels via technological upgrading & innovation: in particular with SDS's innovations for the ammonia & urea production chain
- Upgrading technological capabilities of industrial sectors: via scientific R&D: upgrading infrastructure & retrofit industries by improving resource-use efficiency using patents & developing innovative solutions



- Capture CO₂, NH₃, SO₂ & CH₄ with lowest energy penalty with the **SDS μ -Scrubber**
- CO₂ scrubbing for gas/coal plants. Strengthen resilience and adaptive capacity to climate-related hazards