



NITRALZ®

Innovative gas phase technology for a more sustainable world



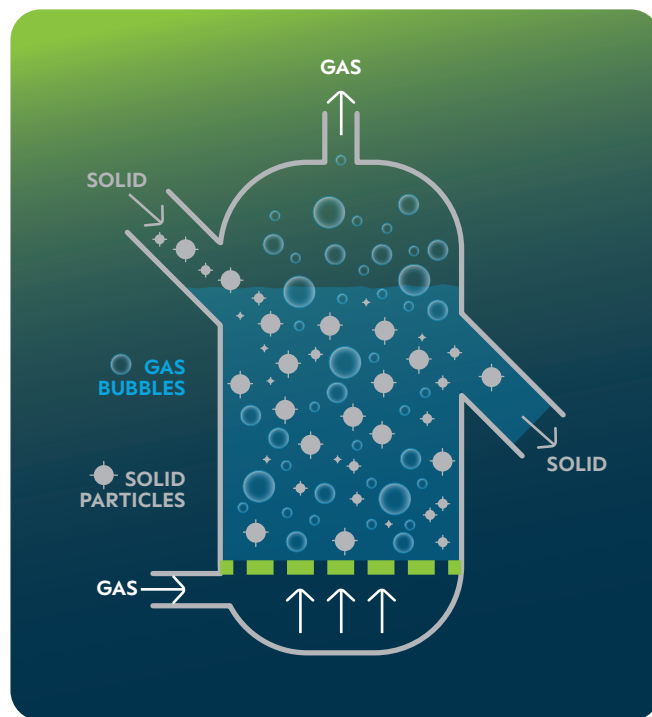
Alzchem operates a commercial plant dedicated to gas phase reactions. It consists of:

- Fluidized bed gas phase reactors
- Continuous and batch distillation columns
- Packaging units

The different units are operated **independently and can be flexibly combined** to accommodate specific properties of raw material and products.

We produce „Green“ – highly efficient and environmental friendly gas phase technology.

- In use for production of nitriles (NITRALZ®)
- Solvent free
- Enables low emissions and waste



Some examples of our broad reaction possibilities:

- Ketonization of acids to e.g. acetylpyridine or heptanone
- Dehydration of alcohols to e.g. 1-octene
- Dehydration of imidazolines to various imidazoles



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