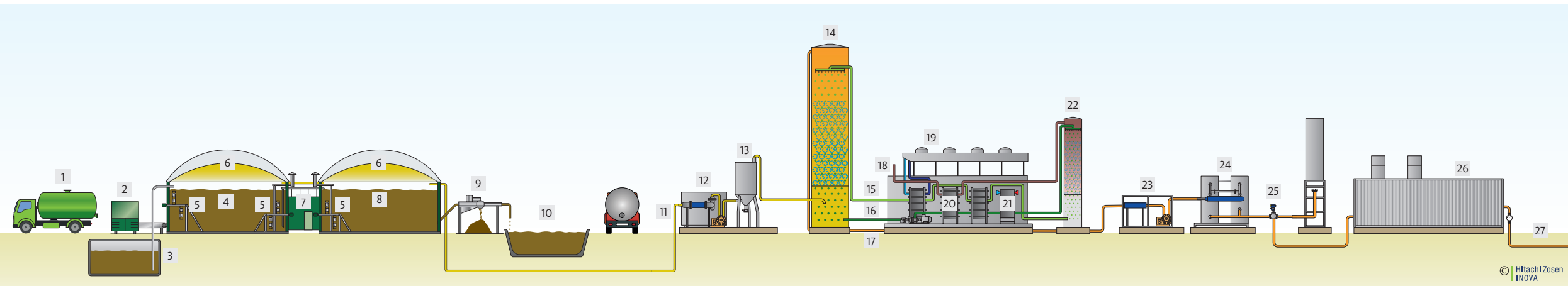


HZI Wet Anaerobic Digestion & Amine Scrubbing



Waste Receiving & Pretreatment	Anaerobic Digestion	Discharge	Gas Pretreatment	Gas Upgrading	Energy Recovery
1 Substrate	4 Primary digester	9 Liquid-solid separation unit	11 Raw gas pipeline	14 Amine scrubbing column	26 Injection unit
2 Solids feeding hopper	5 Agitator	10 Digestate storage	12 Drying and precompression of raw gas	15 Regenerated amine scrubbing solution	27 Public gas grid
3 Prestorage tank	6 Gas holders		13 Desulphurisation	16 Scrubbing solution amine rich	
	7 Pump room			17 Biomethane pipeline	
	8 Secondary digester			18 CO ₂ for utilisation in various applications	
				19 Table-top cooler	
				20 Heat exchanger	
				21 Heat input	
				22 Desorber column (CO ₂ removal with heat)	
				23 Drying and compression of biomethane	
				24 Fine drying	
				25 Biomethane distributor	