

## 1 The Company

- Tradition-steeped company with domicile in the Netherlands and administration respectively operational business execution in Germany
- Focus on process design, plant engineering and project management
- Established and well-practised network of partners, suppliers and EPC contractors – simultaneous project handling worldwide

## 2 Technology

- Twin-fire principle with two gasification zones:
  - ✓ Highest efficiency and thus high profitability by almost complete gasification – low ash and tar content, no discharge of non-gasified material
  - ✓ Unique selling proposition: plant capacity (200-250/400-500/1000kW<sub>el</sub> respectively their multiples), utilisation of renewable and fossil feedstock
  - ✓ Innovation: Carbonisation as feedstock conditioning, thus enabling the utilisation of pasteous feedstock such as sewage sludge, manure or digestate and food waste
- Wet gas scrubbing:
  - ✓ Unique selling proposition: Potential pollutants remain in the wash water and can be easily neutralised
- Application of components individually optimised according to customer demand, e.g., synthesis gensets and CHP's
- Separation from H<sub>2</sub> and CO from the syngas for industrial applications

## 3 Portfolio

- Decentralised power plants with baseload capacity in scales of 250 kW<sub>el</sub> (750 kW<sub>th</sub>) to 15 MW<sub>el</sub> (22 MW<sub>th</sub>) for renewable and fossil energy carriers
- Clean gas and hot gas producing plants, e.g., for industrial sectors and public buildings

## 4 Target Groups

- Off-/micro-/parallel grids
- Island solutions
- Small/medium municipalities, communities
- Public buildings
- Large agricultural enterprises
- Hospitals, hotels
- Independent power producers
- Biogas plant operators

## 5 Target Markets

- Europe
- East and Southeast Asia
- Central and South America, Caribbean
- Oceania