



WASTE TO ...



THERMOLYSIS
compact system
MID 12-40 RoK



storable

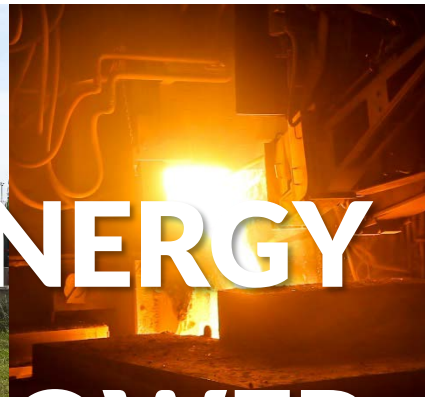
...ENERGY

local

...POWER

clean

ENVIRONMENT

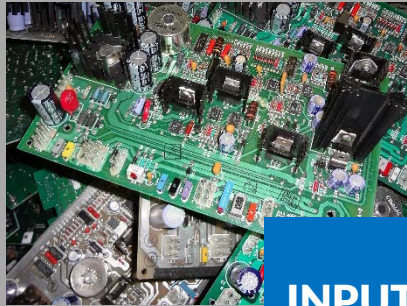


THERMOLYSIS COMPACT SYSTEM

MID 12-40 RoK series

POSSIBLE INPUTS

- plastics
- (dry) waste biomass
- rubber powder from scrap tires
- electronic waste
- nut shells
- oil contaminated soil
- sewage sludge
- animal manure



POSSIBLE OUTPUTS

- different (fuel) oils
- char coal briquettes
- terra preta
- activated carbon
- filter pellets
- cleaned soil

storable



- heat
- electric power
- cooling

promptly consumable



INPUT → OUTPUT

THERMOLYSIS COMPACT SYSTEM

MID 12-40 RoK *series*

↳ compact, semi-mobile waste and soil treatment system for various inputs

↳ waste2product - production of marketable raw materials from waste

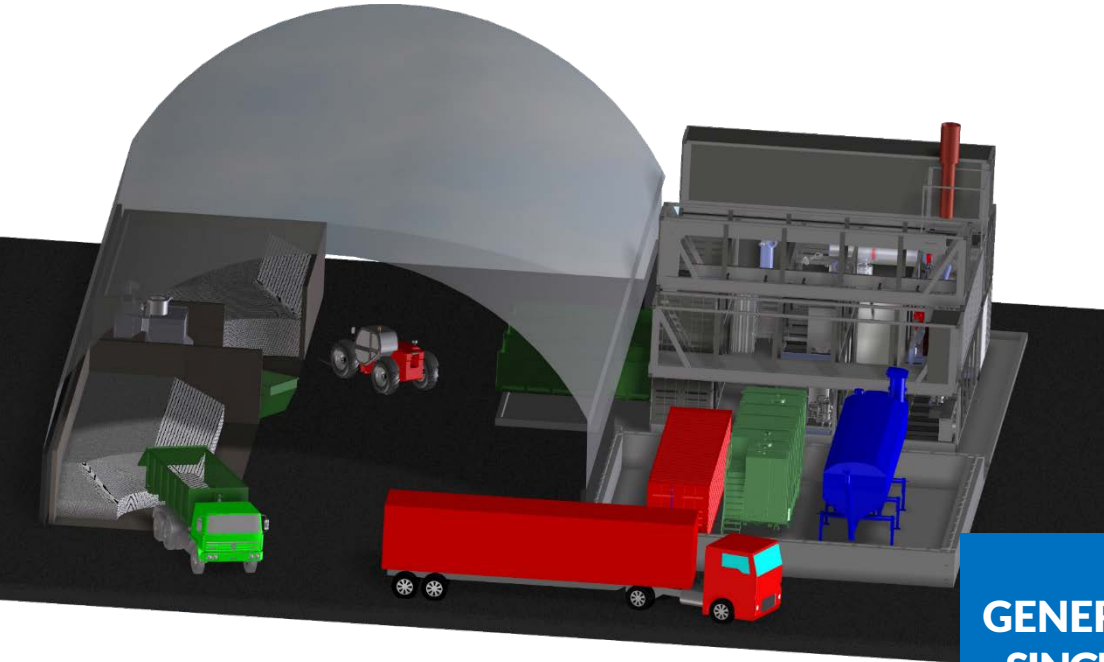


**WASTE TREATMENT
PROCESS CHAIN**

THERMOLYSIS COMPACT SYSTEM

MID 12-40 RoK *series*

↪ containerized system for easy transportation to any location



EASY START UP

- pre-tested operation system needs only strip footing
- required foundation: concrete area of 40 x 40 m for first line and 40 x 15 m each for 2nd to 4th line

EASY TRANSPORT

transportation as standardized 40' containers

EASY TO RELOCATE

designed as semi-mobile system for easy disassembling and remounting at different jobsites

- plugs for power & control
- expansion joints
- feeder chains

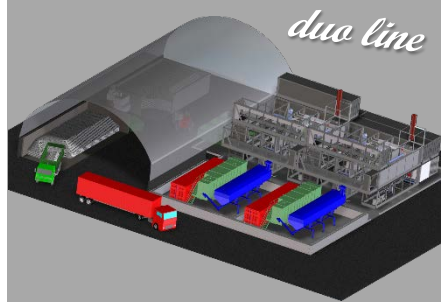
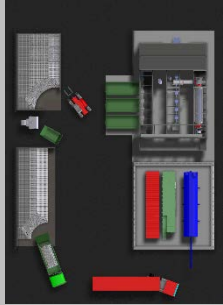
GENERAL OVERVIEW
- SINGLE LINE LAYOUT -

THERMOLYSIS COMPACT SYSTEM

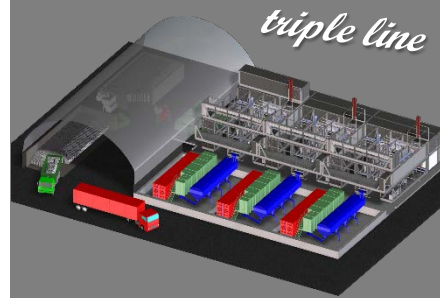
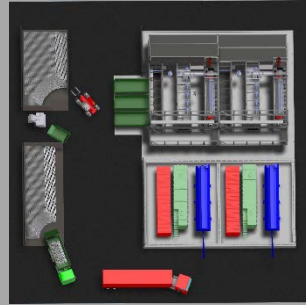
MID 1x12-40 RoK up to **MID 4x12-40 RoK**



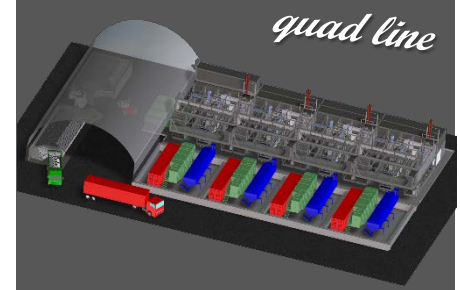
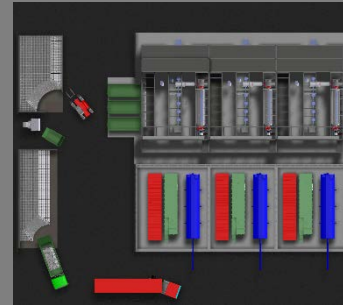
MID 1x12-40 RoK



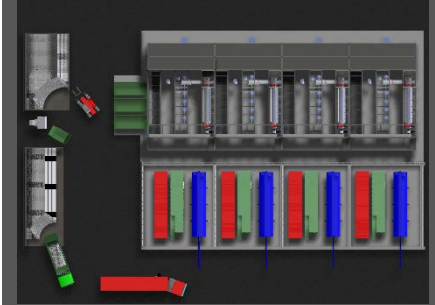
MID 2x12-40 RoK



MID 3x12-40 RoK



MID 4x12-40 RoK



MODULAR EXPANDABLE
- UP TO 4 LINES -

THERMOLYSIS COMPACT SYSTEM

MID 12-40 RoK series

↳ estimated output performance of MID 1x12-40 RoK (= 1 line)

↳ up to 4 lines combinable in one plant to multiply output performance

STANDARD PROCESS

- particle size ~ 10 mm
- assumed processing time ~ 45 minutes

Average Input Density ~ 0,4 t/m ³ (e.g. plastics)	Average Input Density ~ 0,8 t/m ³ (e.g. wood)	Average Input Density ~ 1,2 t/m ³ (e.g. oil-contaminated soil)
up to ~ 600 kg/h per line ~ 14t / 24h	up to ~ 1.200 kg/h per line ~ 28t / 24h	up to ~ 1.800 kg/h per line ~ 43t / 24h

All specifications for general information only - non committal

OPTIMIZED PROCESS

- particle size ~ 2 mm
- assumed processing time ~ 20 minutes

Average Input Density ~ 0,4 t/m ³ (e.g. plastics)	Average Input Density ~ 0,8 t/m ³ (e.g. wood)
up to ~ 1.200 kg/h per line ~ 28t / 24h	up to ~ 2.400 kg/h per line ~ 57t / 24h

All specifications for general information only - non committal

GENERALLY

The MID RoK thermolysis technology can be used for processing miscellaneous waste or waste compositions.

Of course, the kind of source waste determines the final result:

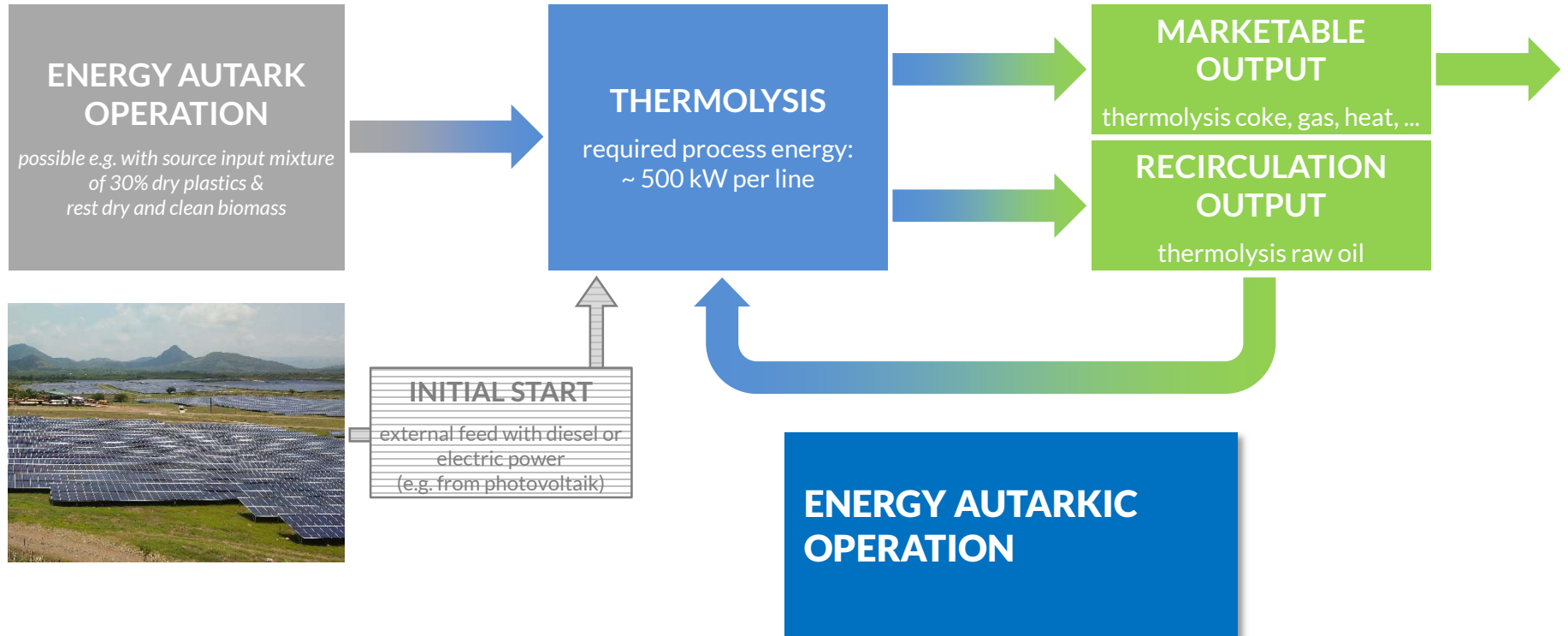
INPUT determine OUTPUT

OUTPUT PERFORMANCE
- PER 1 LINE -

THERMOLYSIS COMPACT SYSTEM

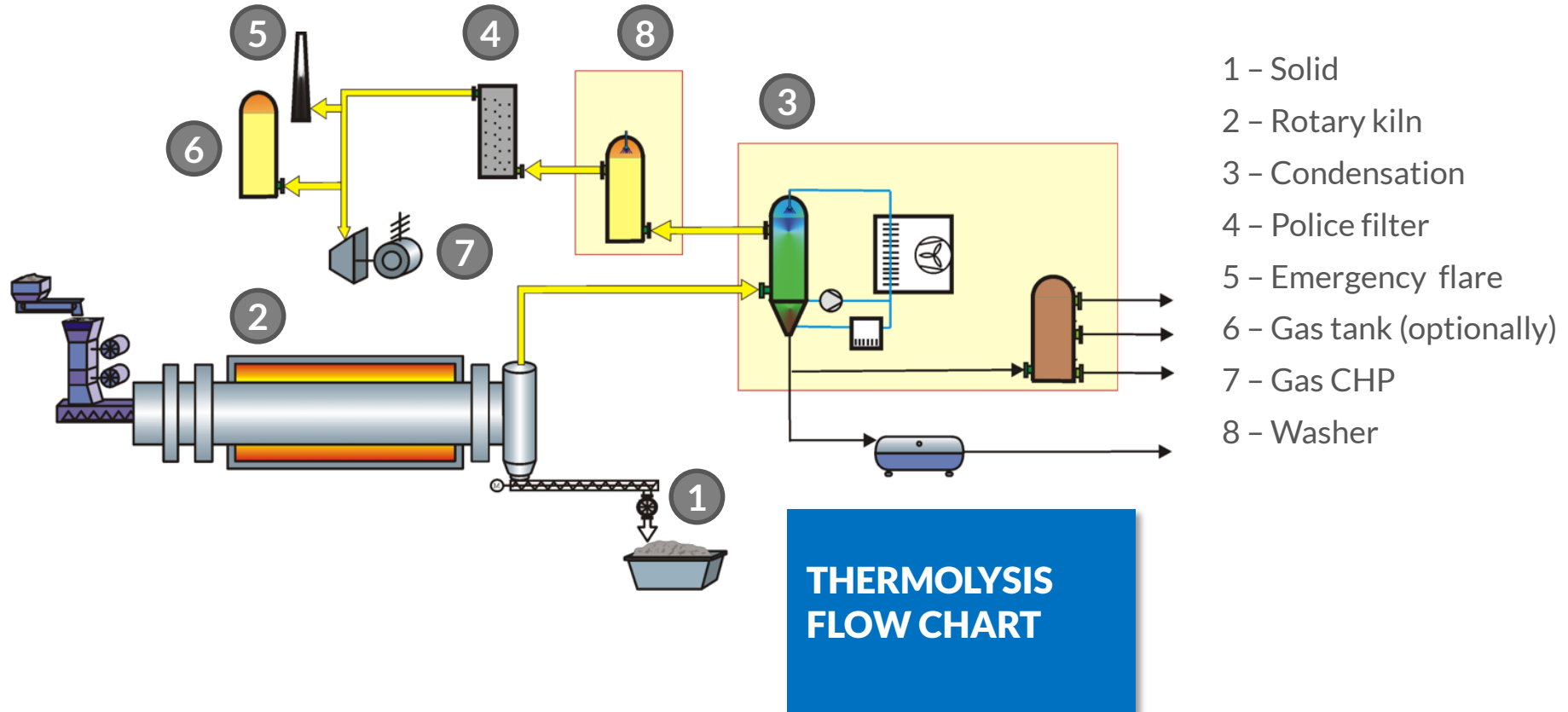
MID 12-40 RoK series

↳ energy autarkic autothermal operation model



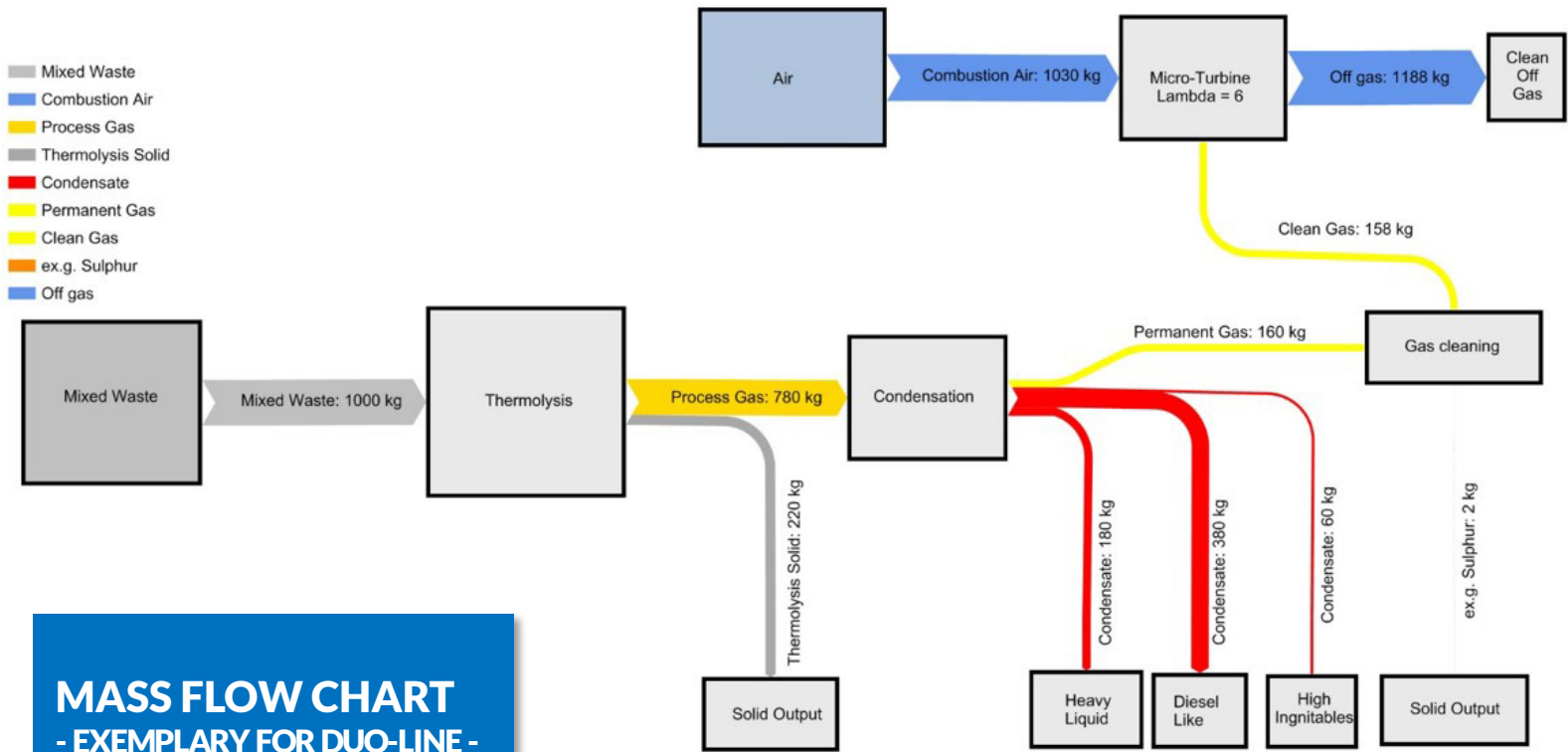
THERMOLYSIS COMPACT SYSTEM

MID 12-40 RoK series



THERMOLYSIS COMPACT SYSTEM

MID 12-40 RoK series



MASS FLOW CHART
- EXEMPLARY FOR DUO-LINE -