

# „Coal-to-Methanol“ - CTM

## Sustainable coal-management

### BASURA Technologies

#### Technologieproviders & Consortial-Partners:

**Siemens Schweiz AG**  
Industry & Energy Sector

**Lurgi GmbH Frankfurt**  
Rectisol® & Methanol® Technologies

**ProCone GmbH Schweiz**  
Gasification Systems

**AMB GmbH Oschersleben**  
Anlagen / Maschinen & Bau

#### Development- & Engineering team:

**BENREG Europe GmbH**  
Waste Management München

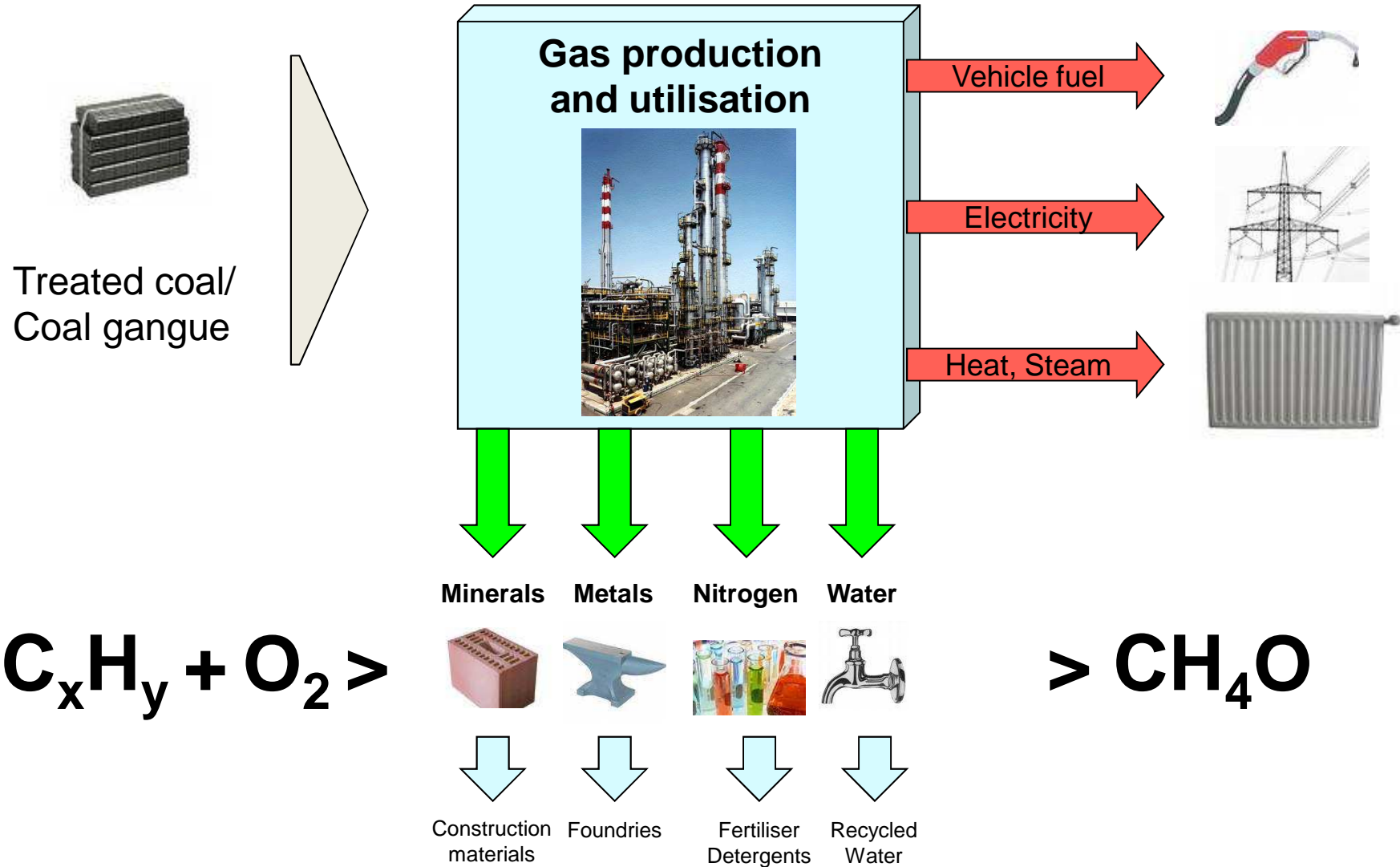
**Ingenieurbüro Adrian Fürst**  
Energie- und Umwelttechnik

**AFAG Engineering GmbH**  
Waste-Recycling-Systems

**West Coast Power Ltd.**  
Waste-Recycling-Technologies

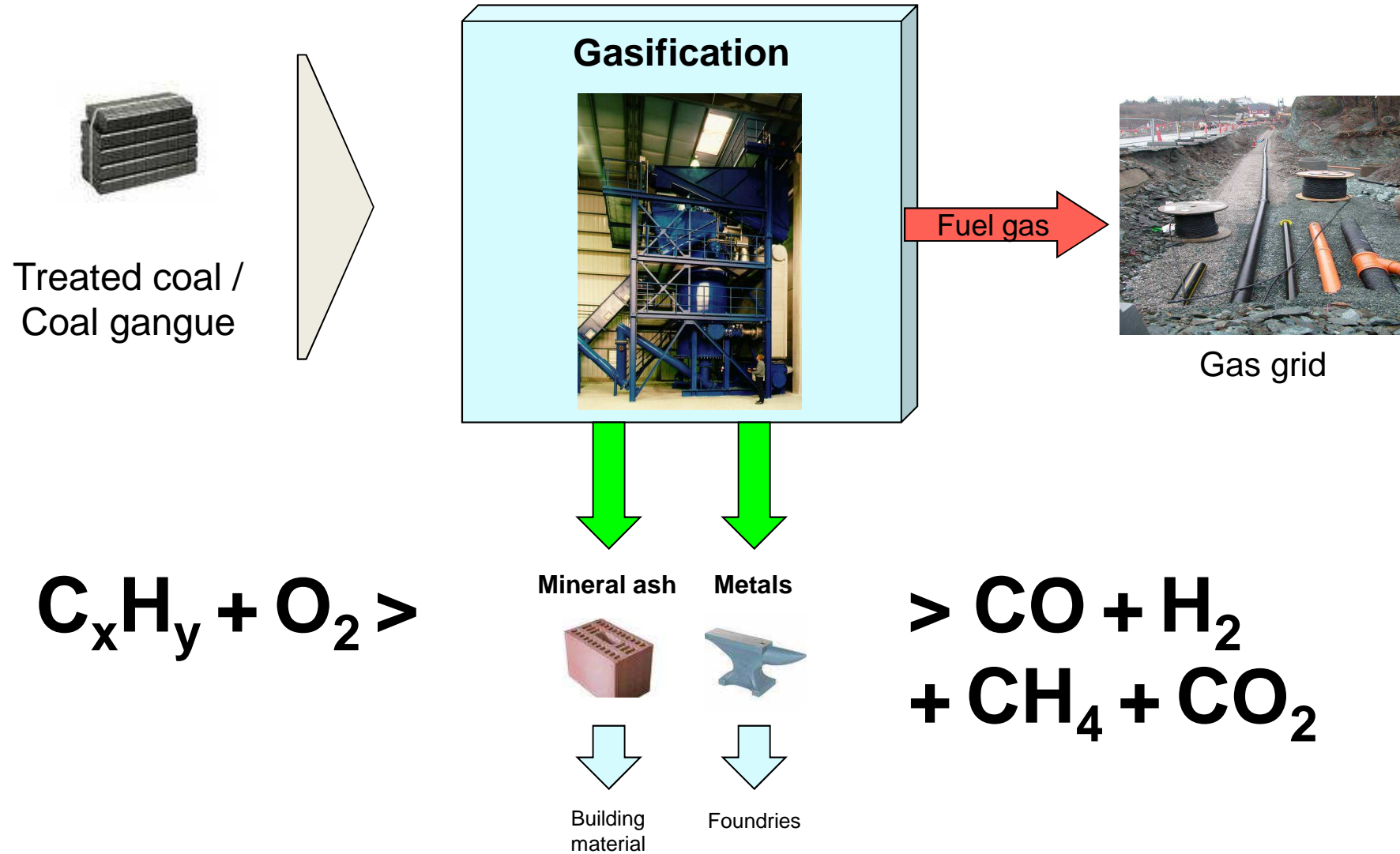
# Gas production & use

## BASURApplant©



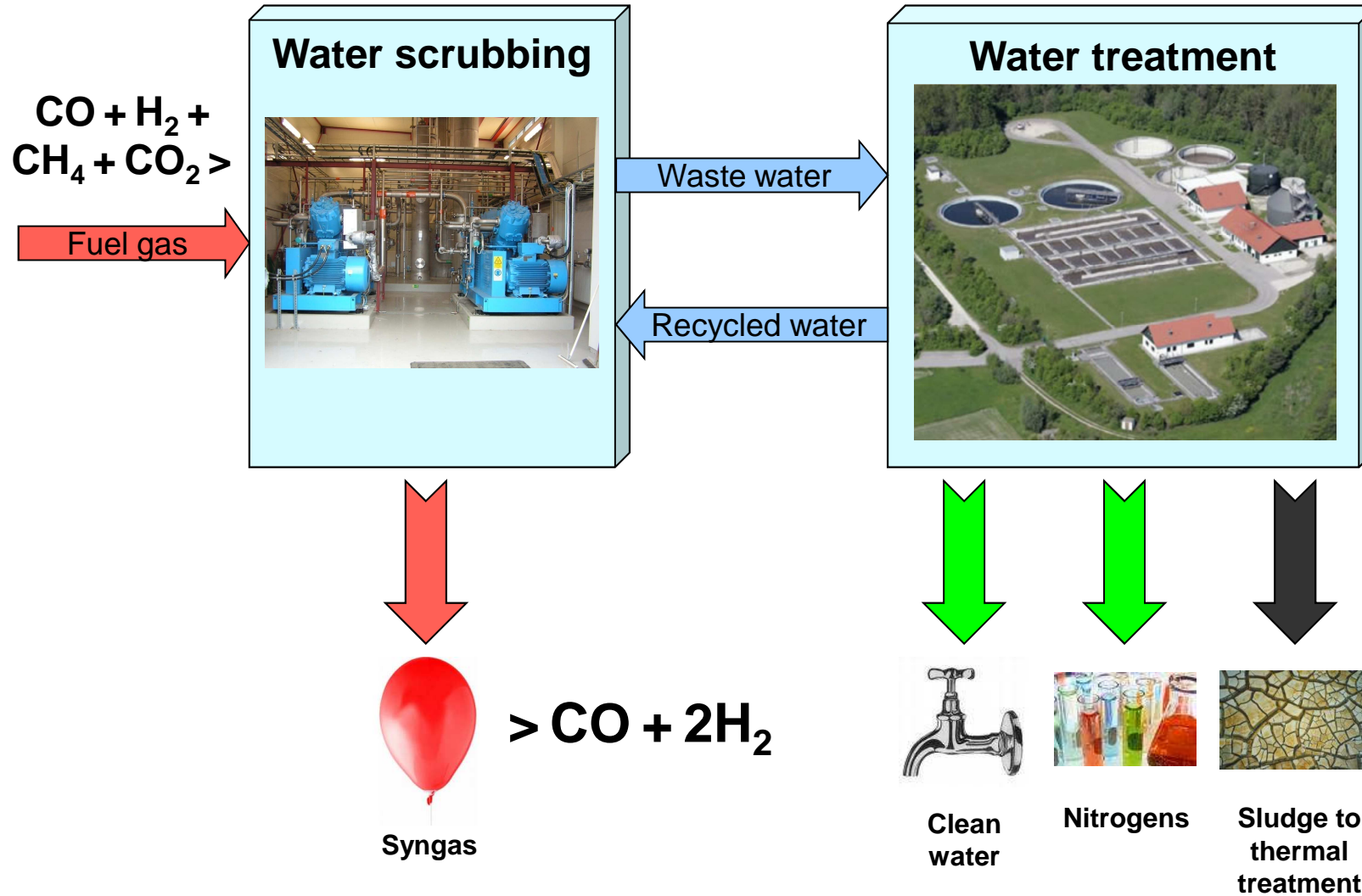
# Production of syngas

## BASURAgas©



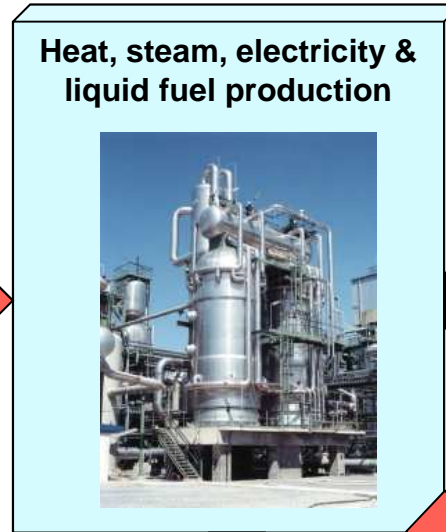
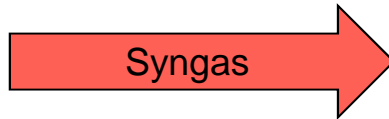
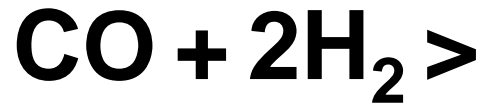
# Gas- & water upgrading

## BASURAclean© / BASURAwater©

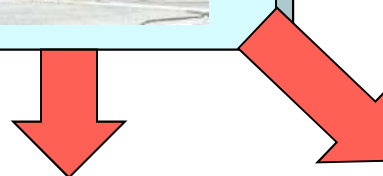


# Products from Syngas

## BASURApower© / BASURAfuel©



Liquid fuels  
MeOH, DME, MTBE

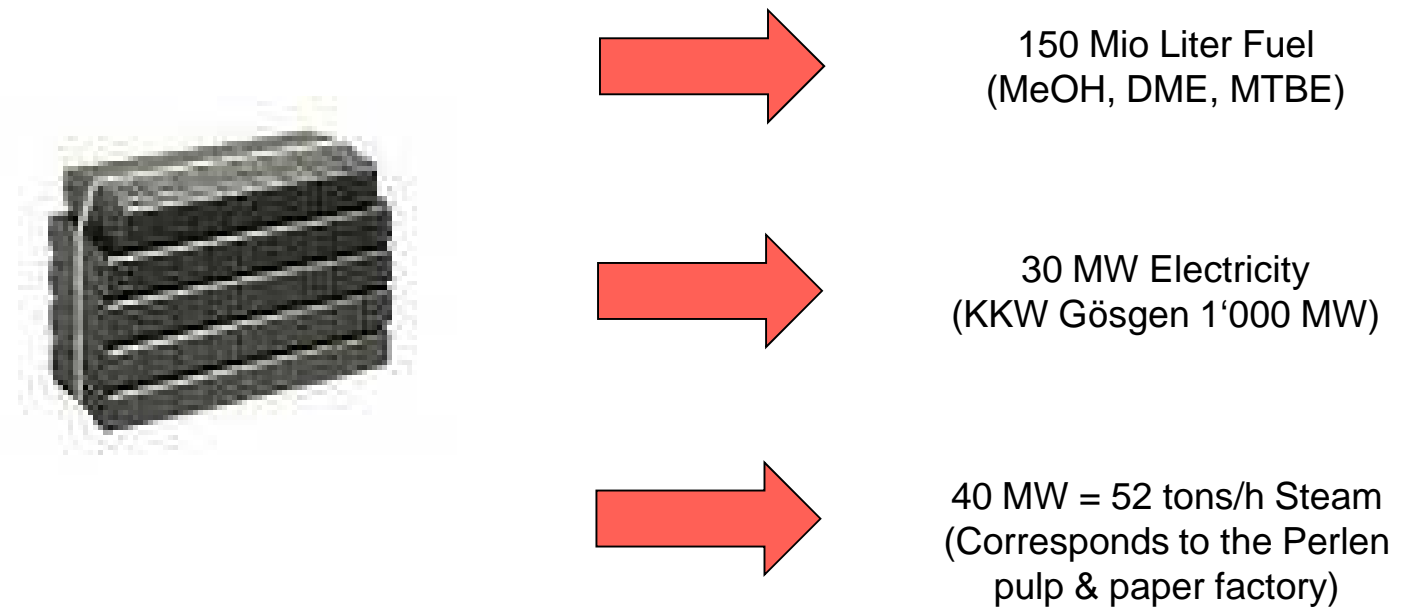


Steam and Heat

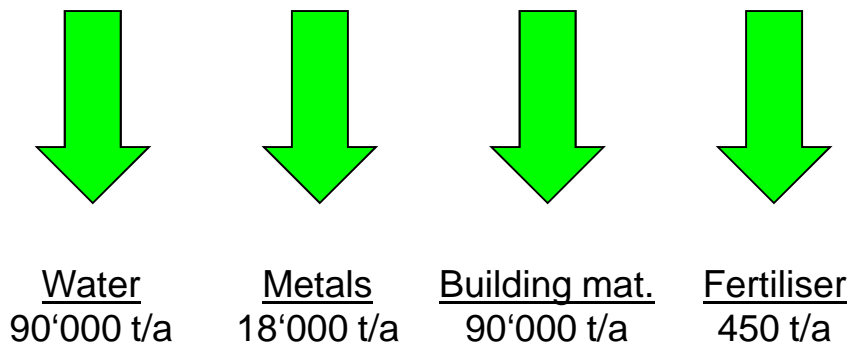


Electricity

# Mass flow BASURApplant©



**450'000 Tons/Year**



# The drivers

## BASURA Technologies

### Economy

- *Only the economic feasibility is a long term driver*

### Ecology

- *Only ecological projects will survive in future markets*

### Ethics

- *Social and ethic drivers are an integral part of sustainability*