



REDOXINT PROJECT

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- In REDOXINT vision residual products doesn't exist : a residual products, obtain from an installation or equipment, represent the raw material for other equipment
- REDOXINT technology exprim the latest concept over the production field
- In chemical industry, the products of an equipment are define as follows: principal product- the main one- and the secondary products. By definition the main product incorporate in his price all the production costs.
- The secondary product is, almost of the time, a residual one, or his elimination rise the entire production cost.

The procedure for ethylic alcohol anhydridisation obtained by fermentation without distillation.

- Non pollutions industrial platforms
- Burning the domestic waste in ecological conditions
- Industrial waste neutralization
- Renewable-alternative energy
- Energetic independence
- Economical impact
- Ecological impact
- Raw materials for the Chemical synthesis industry:
- medicine - cosmetics - plastics - rubber

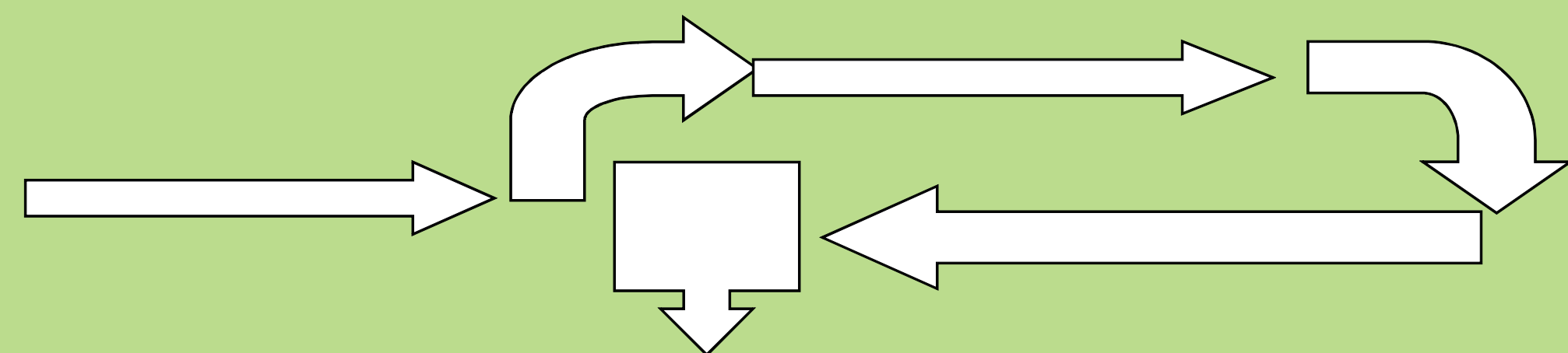


Fig.2. Gas circuit in the tunnel furnace.
The gas circuit in the tunnel furnace allows the connection of ammonia and urea installations for avoiding

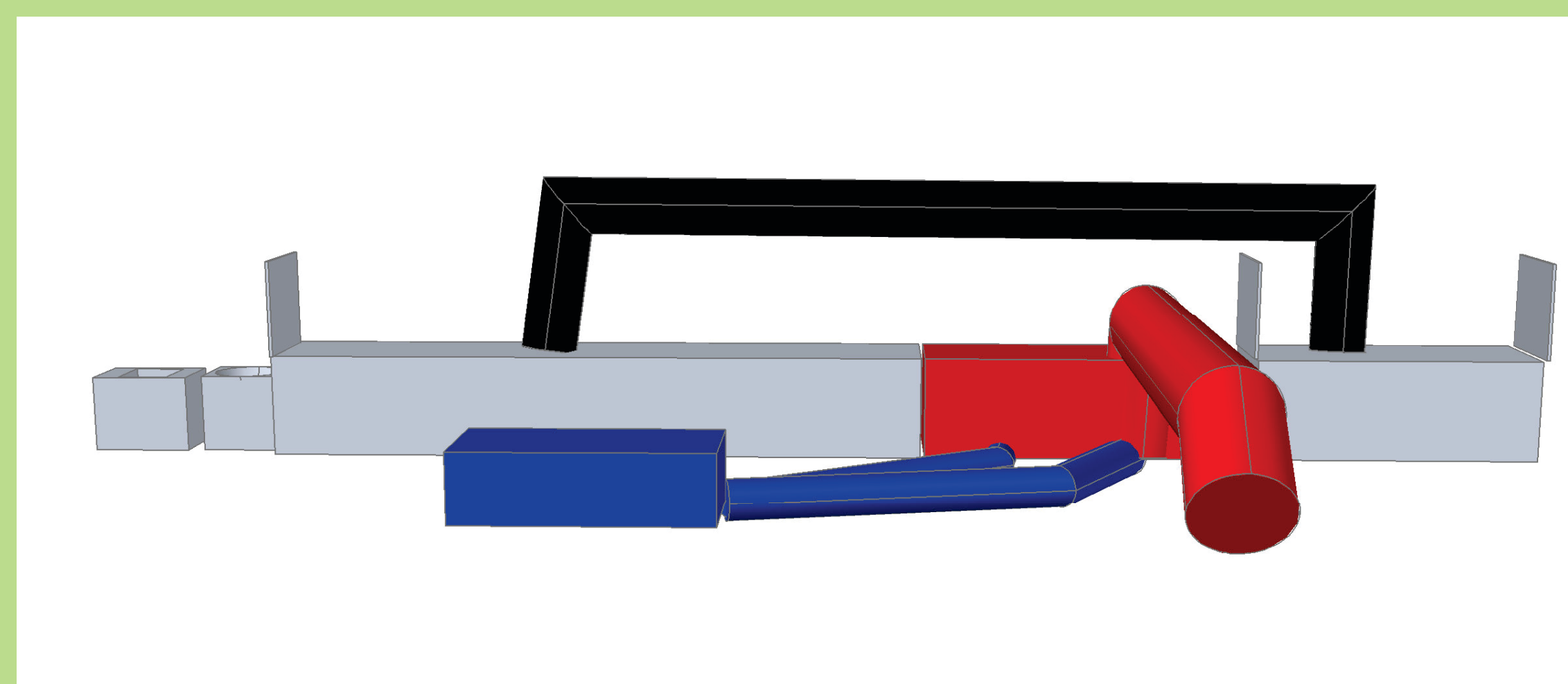


Fig.4. Tunnel furnace scheme.
Grey – furnace body made of refracting materials.
Black – gas redirecting pipe.
Blue – electrode activation instalation.
Red – exhaust and ammonia-urea instalation connection.

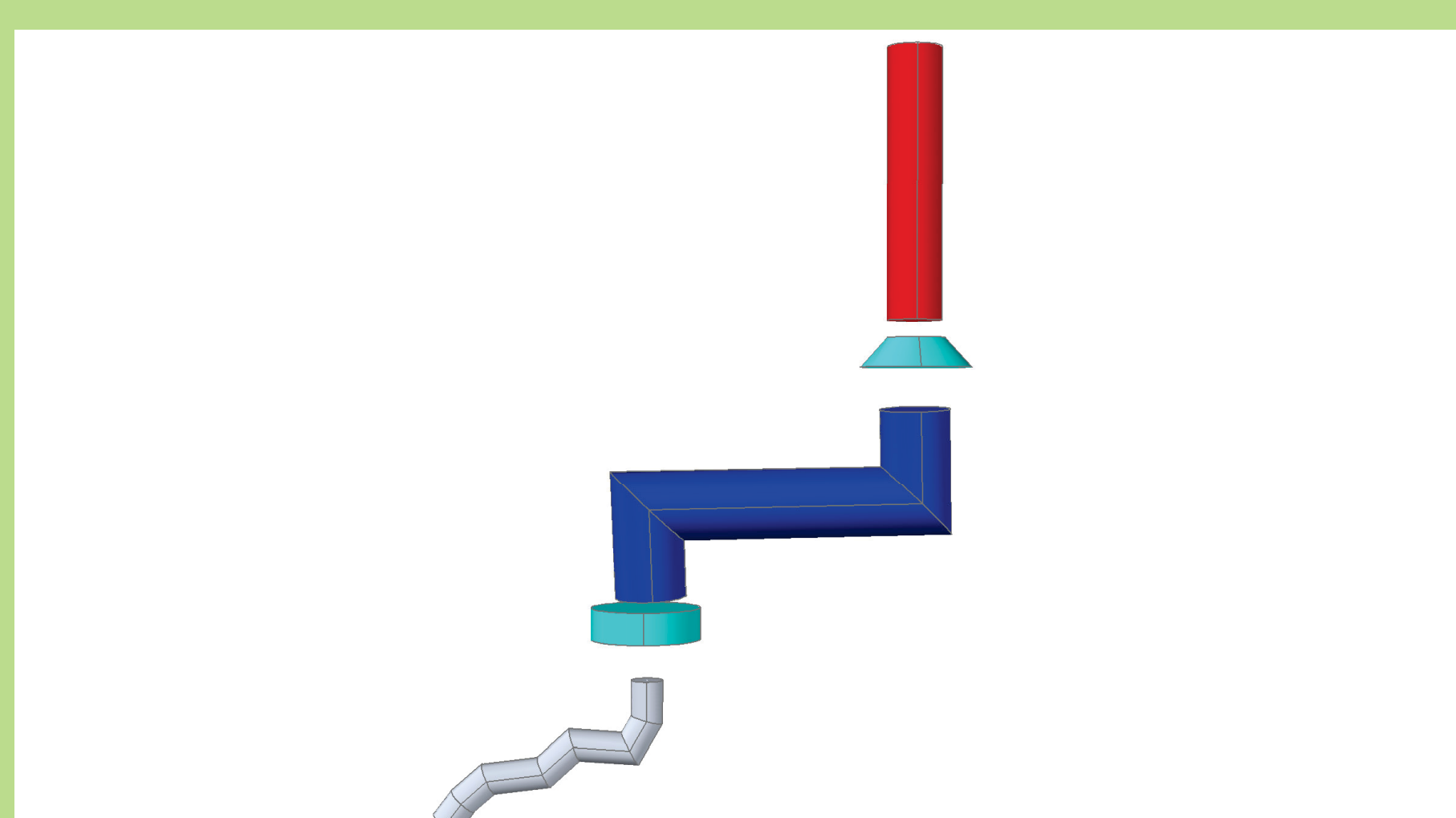


Fig.6. Electrochemical synthesis electrode scheme.
The electrode goes trough the trolley's body and into the reaction chamber.

Carbide synthesis Tunnel furnace

The research, development, implementation of a technology by which renewable energy sources are obtained, other than fuel oil, methane gas, Diesel fuel and petrol.

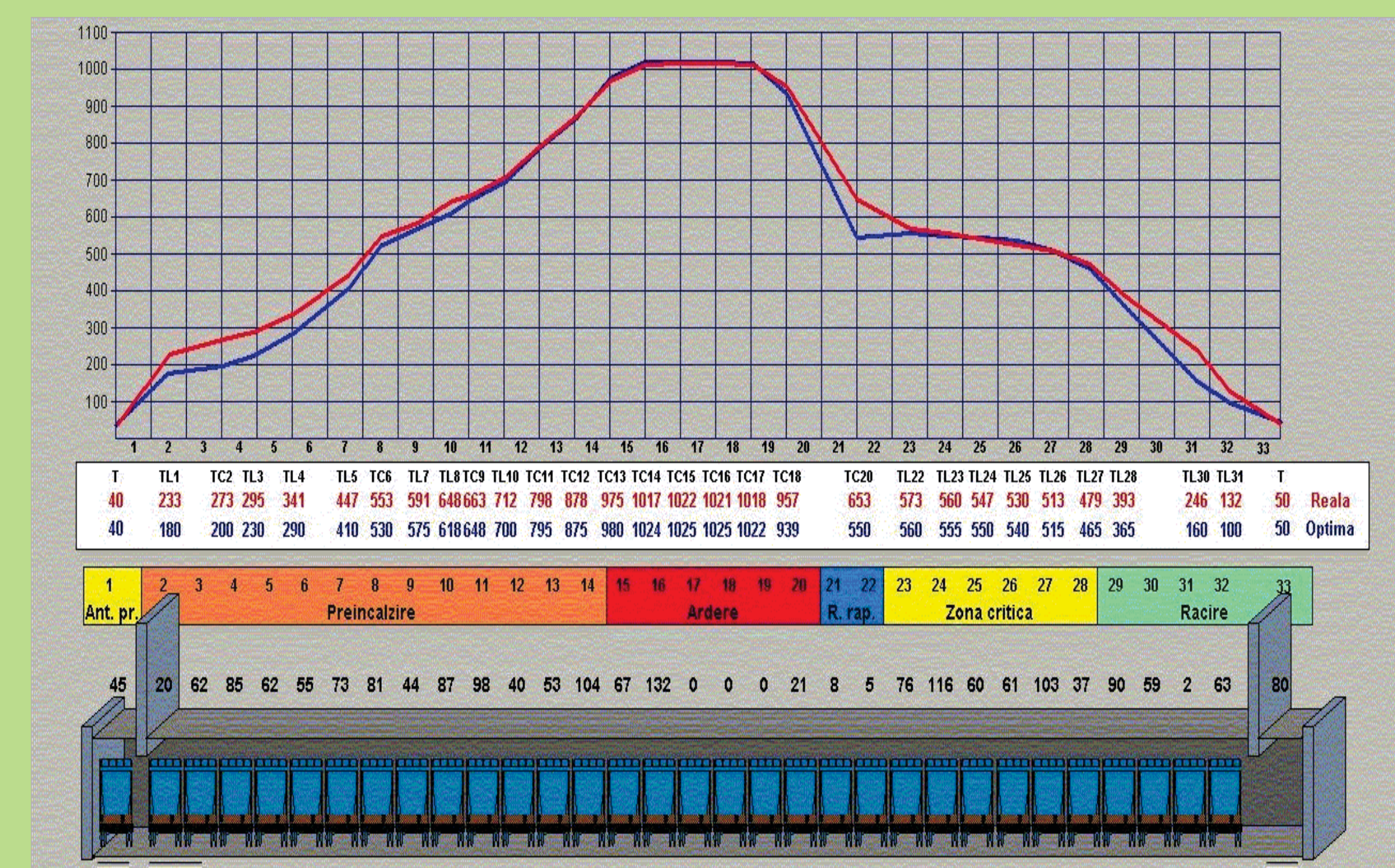


Fig.1. Temperature diagram for the tunnel furnace. The direction of trolleys' transition. In the tunnel furnace the carburet synthesis takes place and the burning of house hold waste using heat from the synthesis process

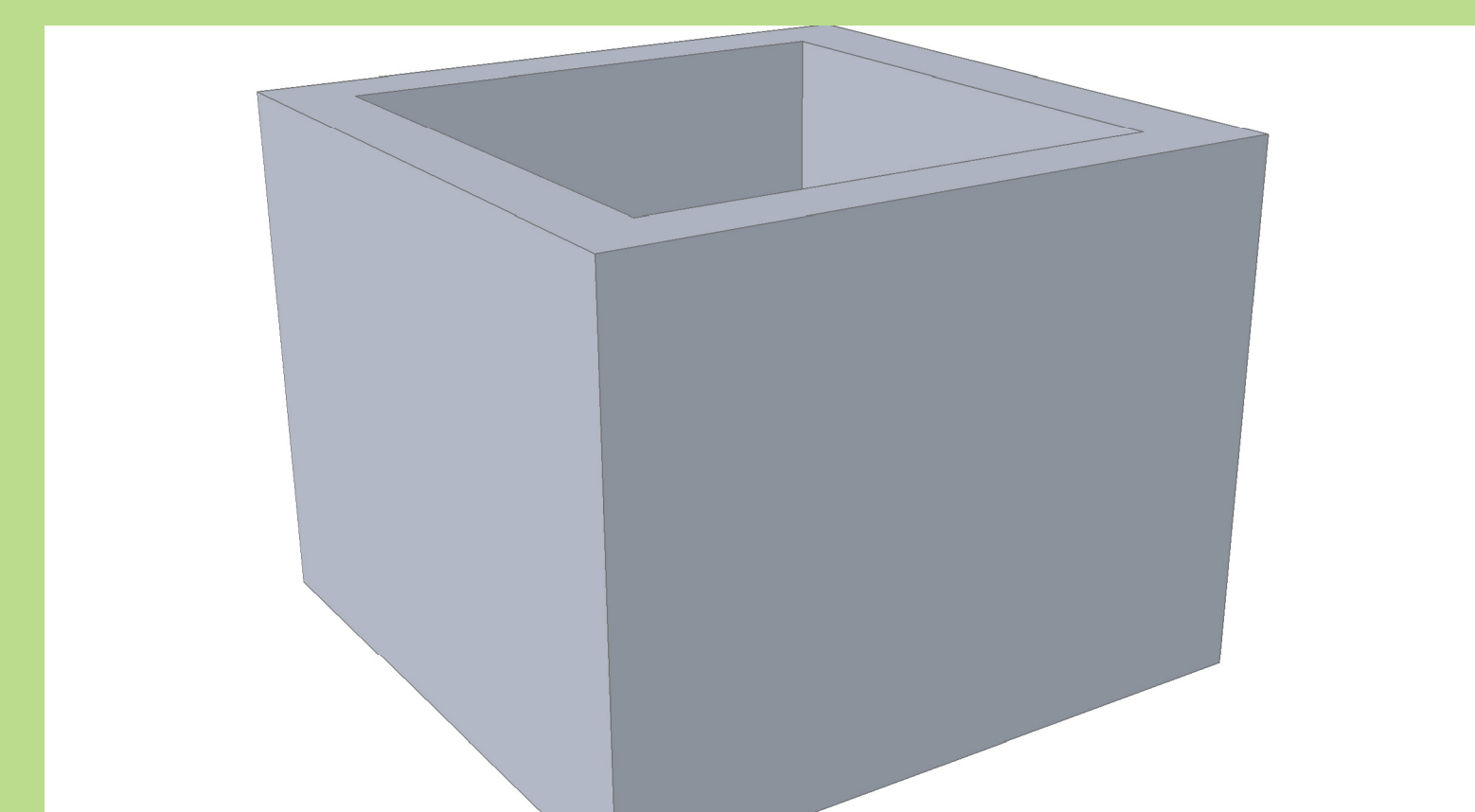


Fig.3. Cargo trolley for garbage burning .
Unselected common garbage is burnt at over 1000°C. Resulting fumes are processed and the resulting ash is fully ecological and can be used as and agricultural substrate. The tunnel furnace can burn industrial waste, car tyres and any other hazardous waste.

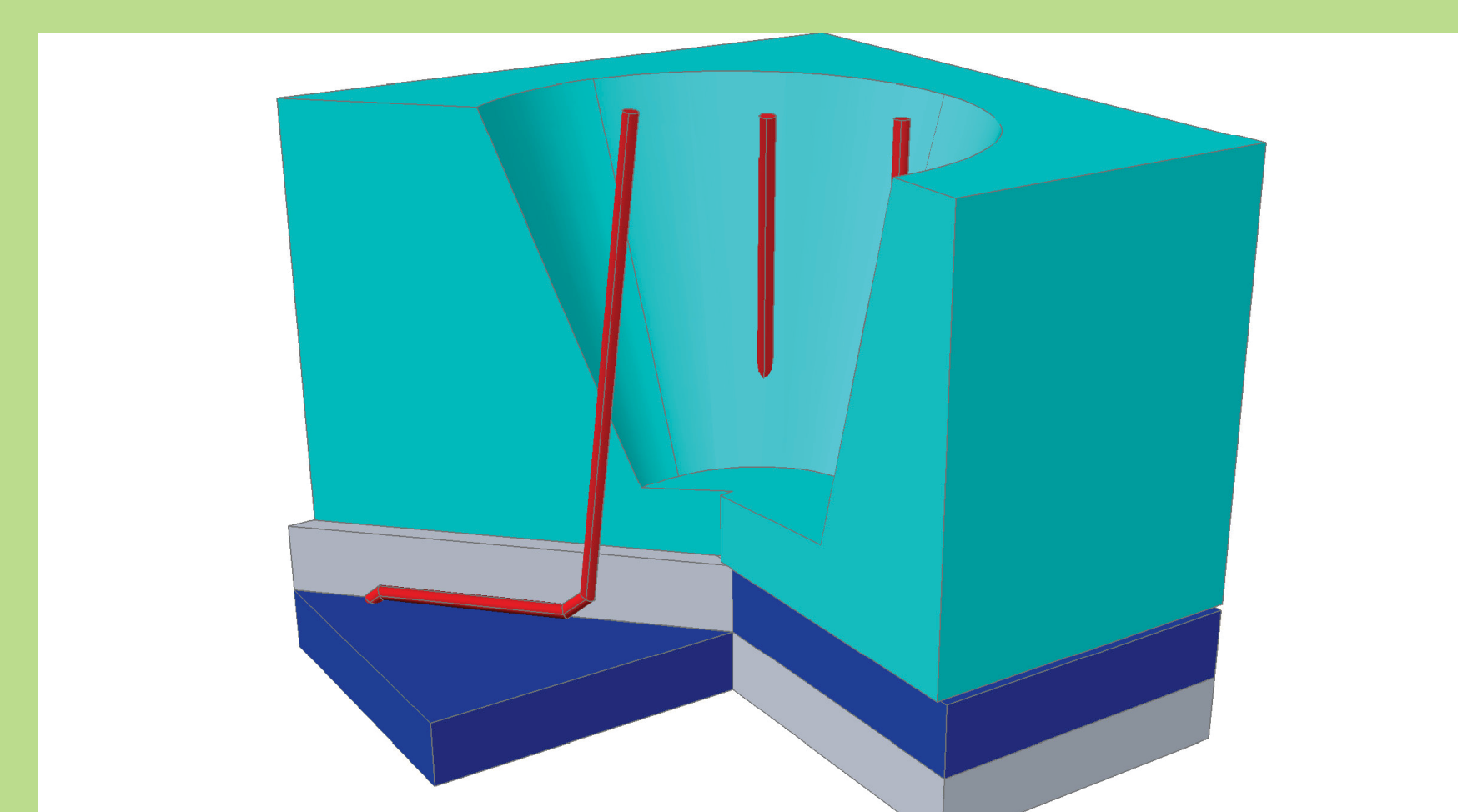


Fig.5. Cross section into the carbide synthesis and electrode location.
The body of the trolley is made out of stamped refracting material which supports the electrodes. Capacity is of 3-10 tons of carbide.



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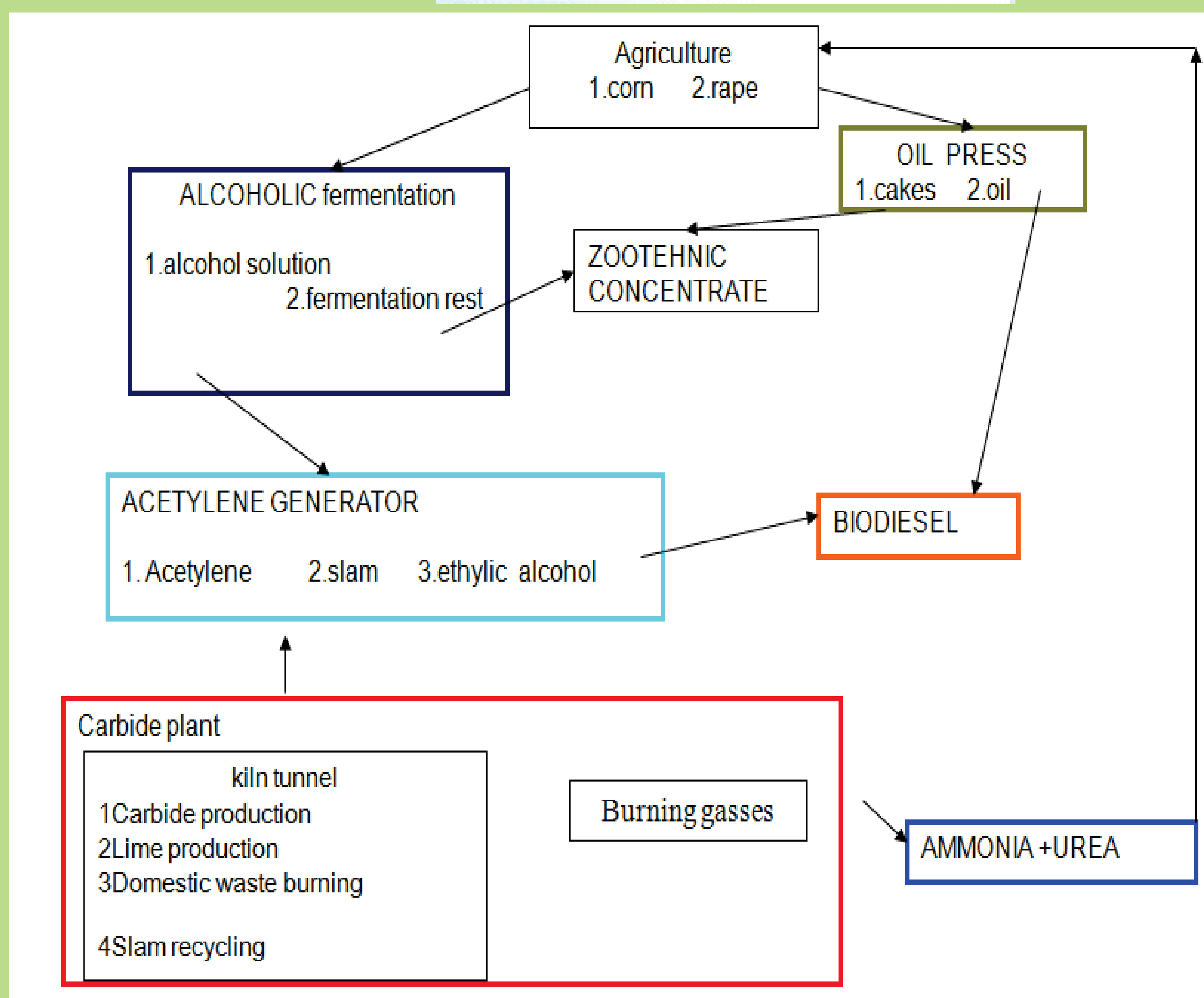
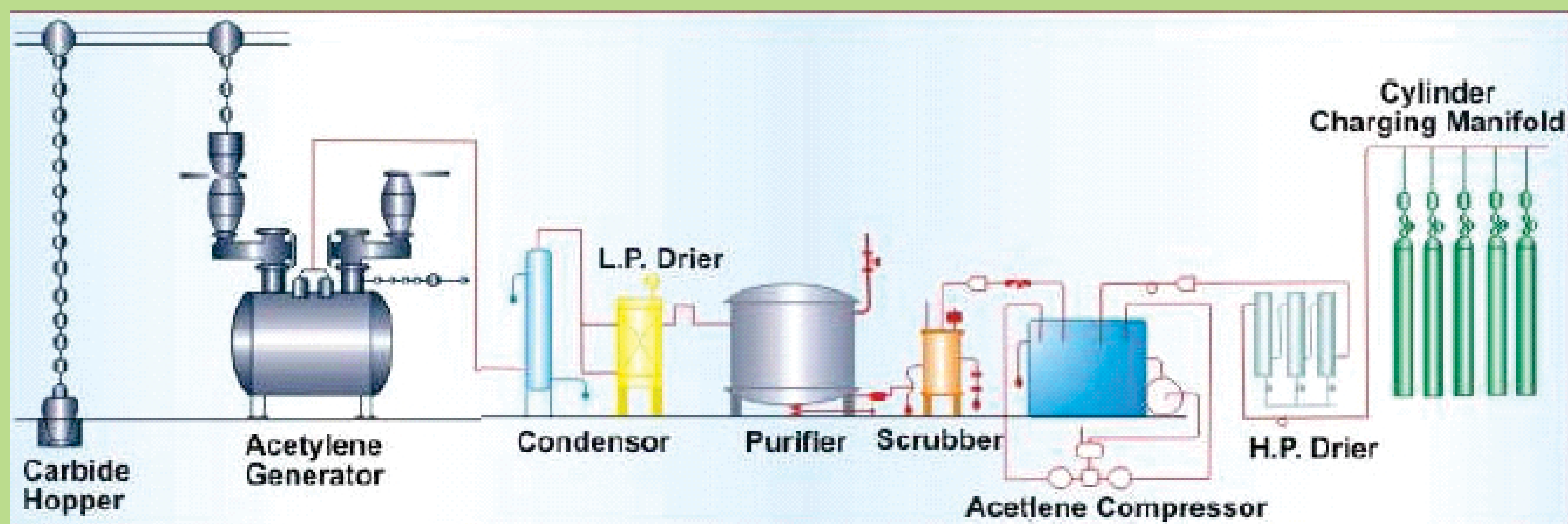
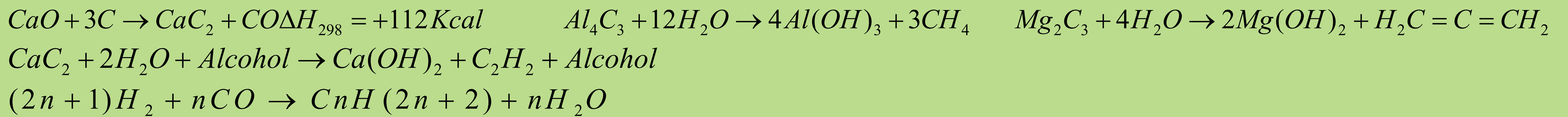


Fig.8. The closing of the ecological circle by sustaining agricultural production. Maximum degree of industrialisation for agricultural production.

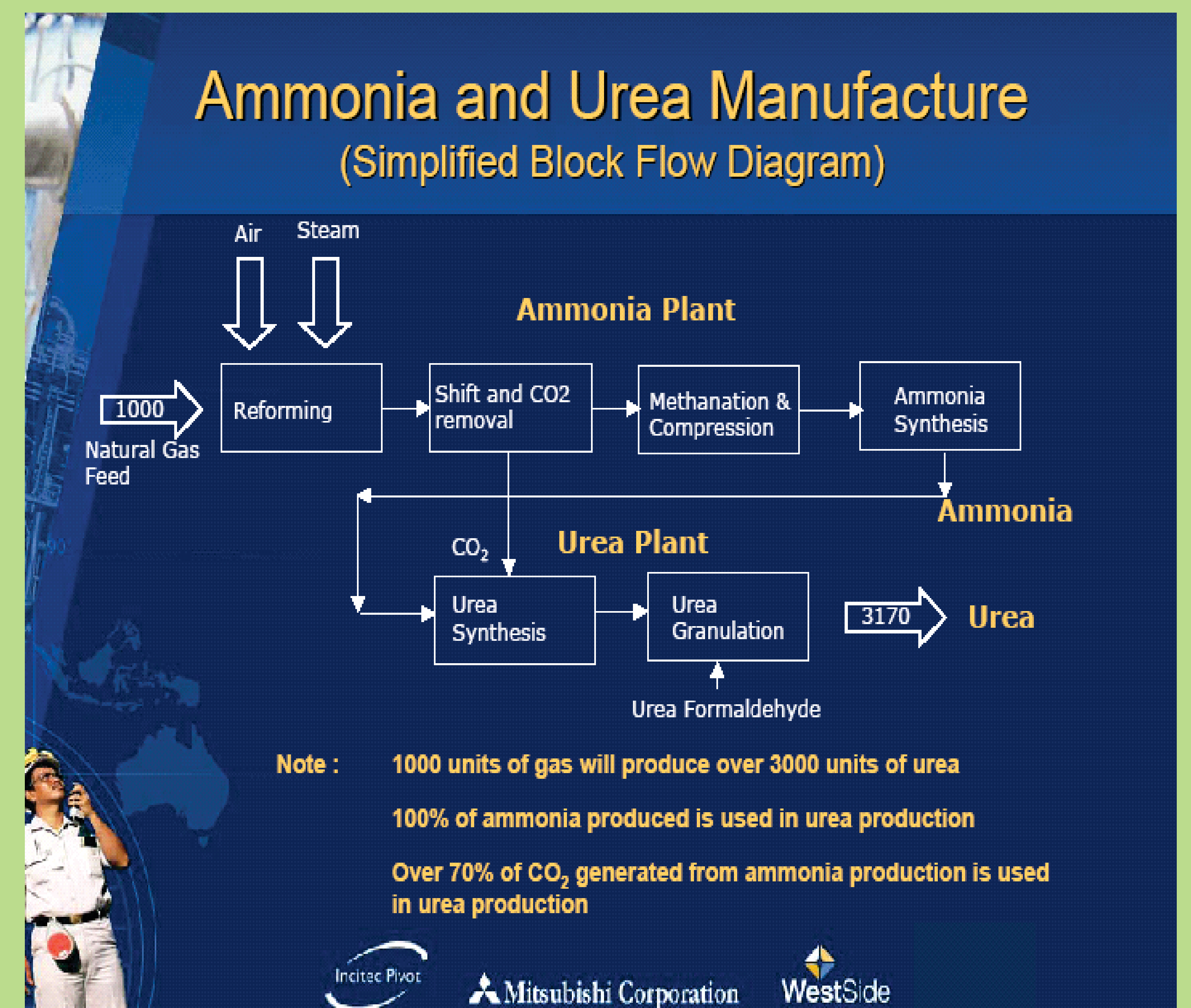


Fig.7. Theoretical scheme for ammonia and urea synthesis. The ammonia-urea installation takes over all of the gases in the furnace and processes them without losses.

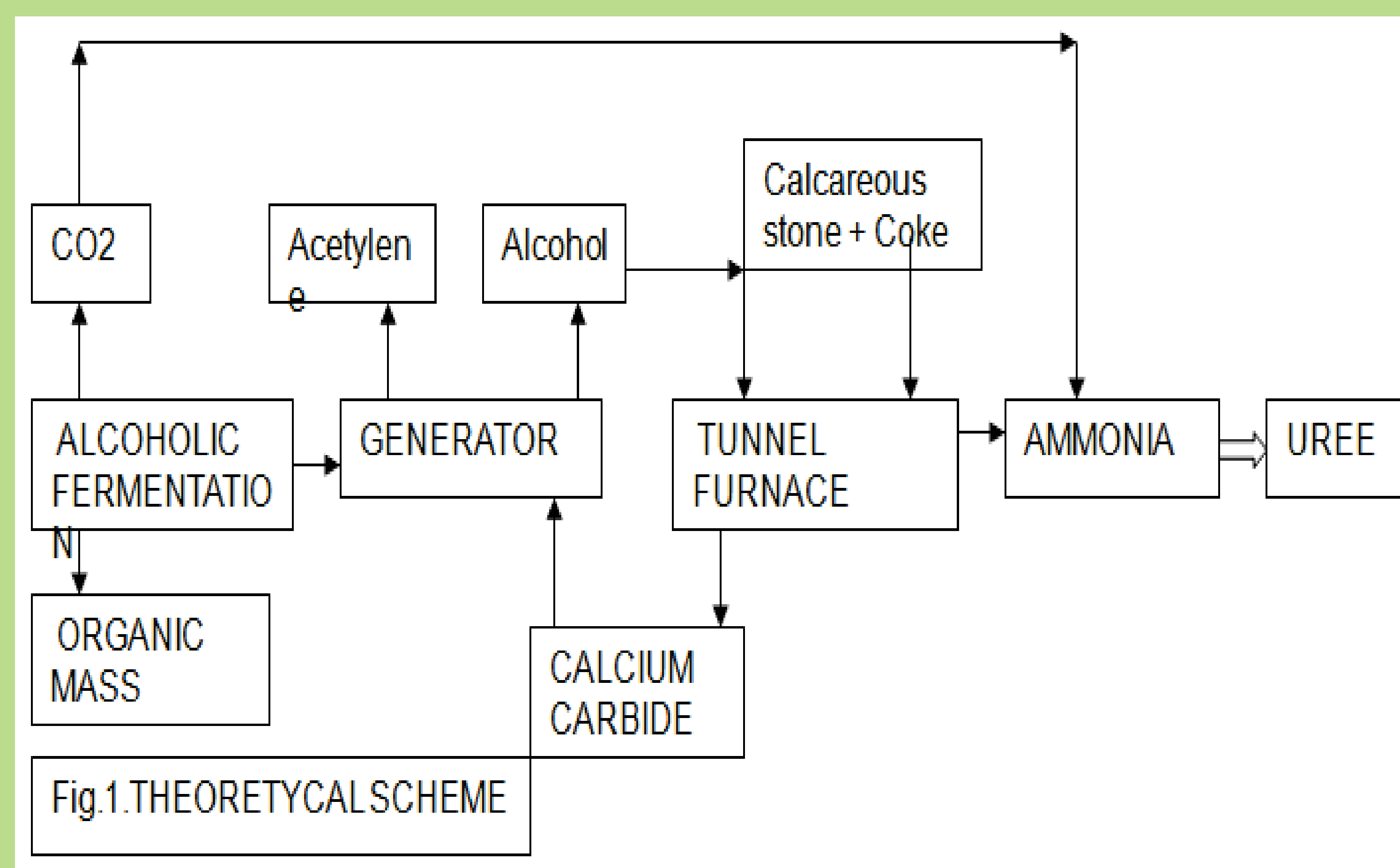


Fig.9. Theoretical scheme for the material movement between the technical blocks. Production costs are covered by the most valuable product and thus you obtain the cheapest technical alcohol for use as alternative fuel.

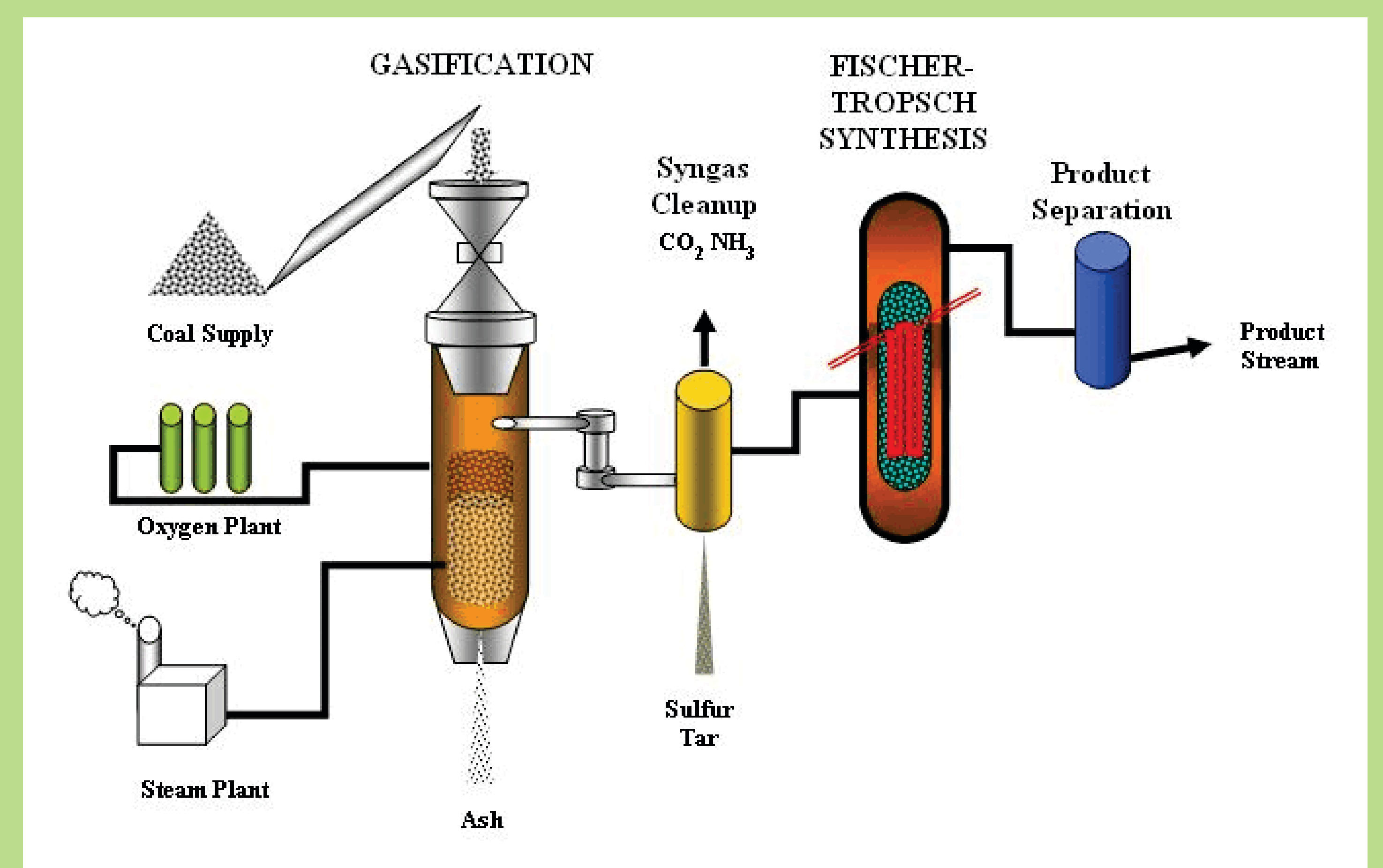


Fig.10. Theoretical scheme for Fischer-Tropsch synthesis. The Fischer-Tropsch installation takes over all of the gases in the furnace and processes them without losses.