



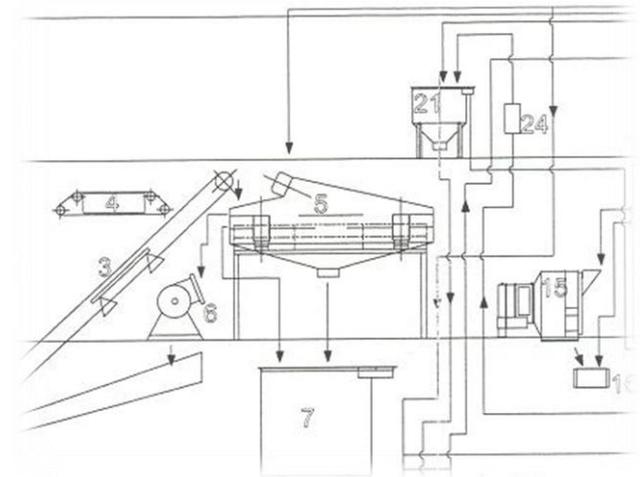
# RECOAL: SPECIAL COAL DUMP WASHING TECHNOLOGY

KEMIA-TATECH

# Special coal washing technology from KEMIA-Tatech

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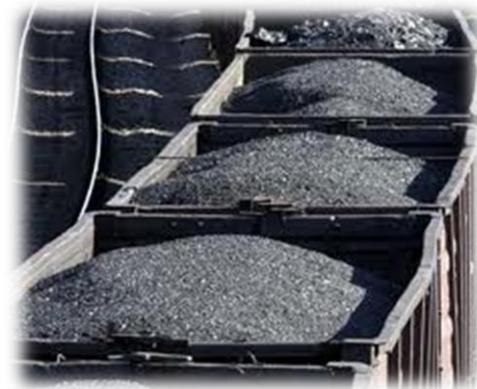
- “RECOAL” coal dump beneficiation technology:
  - RECOAL satisfies environmental demands - landscape is improved
  - RECOAL satisfies sustainable development principles - more proportion of the mined coal is utilized
  - RECOAL satisfies economic expectations - the coal dump beneficiation (resource recovery) is a definitely profitable activity



# RECOAL technology

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- Eliminates aesthetically unacceptable coal dumps
- Beneficiates the still remaining coal remnants to reasonable profits
- Gives additional employment possibilities



# The basics of RECOAL technology

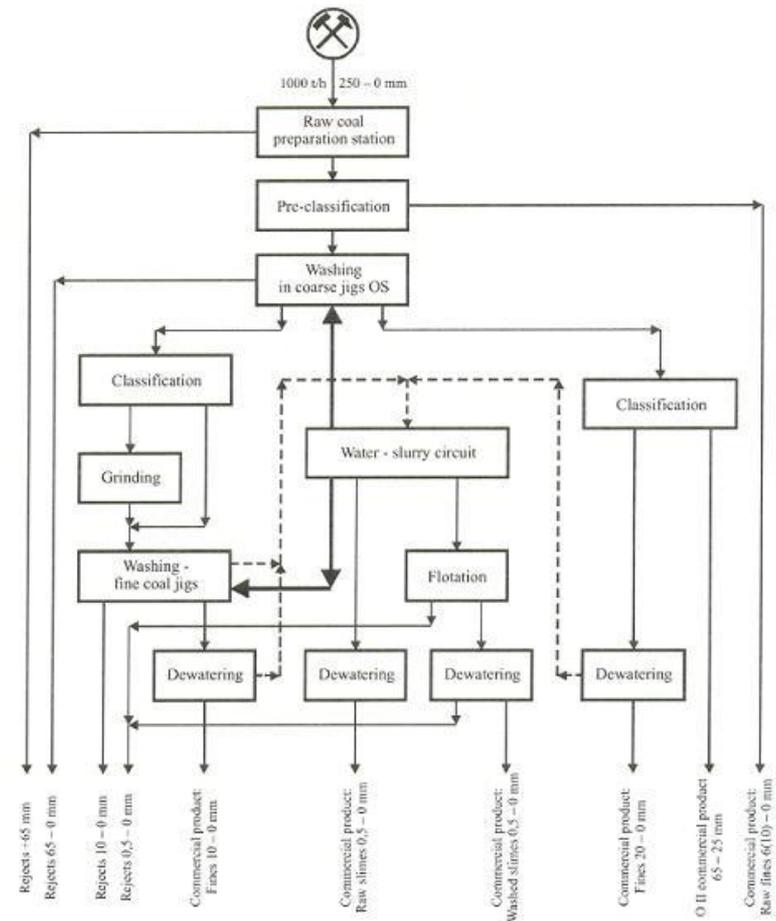
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- Highly sophisticated coal separation technology, supported by proprietary know-how and long experience
- Does not use alien heavy materials (barit, magnetite, etc.), the suspension is created by its own dump material
- Needs water but does not need chemicals
- Separation is based on heavy suspension (separation by density)
- The most up-to-date hydrocyclones are deployed, specially designed for the “Recoal” operation
- Yield is 75 % of the dump`s coal content

# Main technological steps of RECOAL technology

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- Preparation and classification of the dump`s material
- Washing of the feed (0-20 mm) in hydrocyclones
- Dewatering and classification of washed products
- Thickening and dewatering of slimes



# Required design information

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- Type of coal in the dumps
- Remnants after ignition
- ROGA number
- Density of the carrier strata (the bigger the difference between the coal and the carrier, the better results can be achieved)
- Were there enough test drillings done?



# Execution Options

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- Option 1
  - Design from Austria/Hungary
  - Procurement, Project Management and Execution in South Africa
- Option 2
  - Design and Project Management from Austria/Hungary
  - Procurement and Execution in South Africa.
- Option 3
  - Design and Supply of Key Equipment from Austria/Hungary
  - Procurement, Project Management and Execution in South Africa

Thank you for your attention, we hope to meet you soon on the top of one of your coal dumps!

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For further questions please contact our  
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