COAL BRIQUETTING AND GRANULATION

EURAGGLO offers a briquetting, compaction and granulation process based on the technology of roller presses and compactors.
This process allows the agglomeration of various coal fines which can be briquetted into pillow or ovoid shape for industrial or domestic fuel purposes. It can also be used for applications like gaseification, coke making and actived carbon production.

To have suitable briquettes, coal fines generally need to be dried, crushed into an acceptable size range and, in most cases, mixed with an appropriate binder.

PROCESS

The process consists in agglomerating coal fines as a homogeneous final briquette or granule. Usually, a typical plant is composed of a preparation section with potentially a drying and crushing step, a mixing step of the fine coal with a binder before conveying to the briquetting press, a post treatment of the formed briquettes such as screening to remove fines and flashings (which are sent back in the process) and the drying or curing of the briquettes....

A binderless solution can be considered for very specific coal containing volatiles acting as a binder when heated. Briquettes from a roller press generally weigh between 20 and 100 grams but larger sizes can also be produced for special applications (industrial use in cupola ovens...).

ADVANTAGES

- A large choice of briquetting press capacity and design (from few tonnes to 10 MTPH or more...).
- A proven process : many references of such plants in operation worldwide.
- An experience in different processes and applications involving different binders and process considerations.

Proposed Services

- Audit of existing units.
- Applied R&D in pilot plant.
- Ingineering process.
- Manufacturing of compactors and granulators.
- Integration of complementary equipments (dryer, crusher, mixer...).
- Maintenance and associated on-site services.

euragglo
shaping the industry

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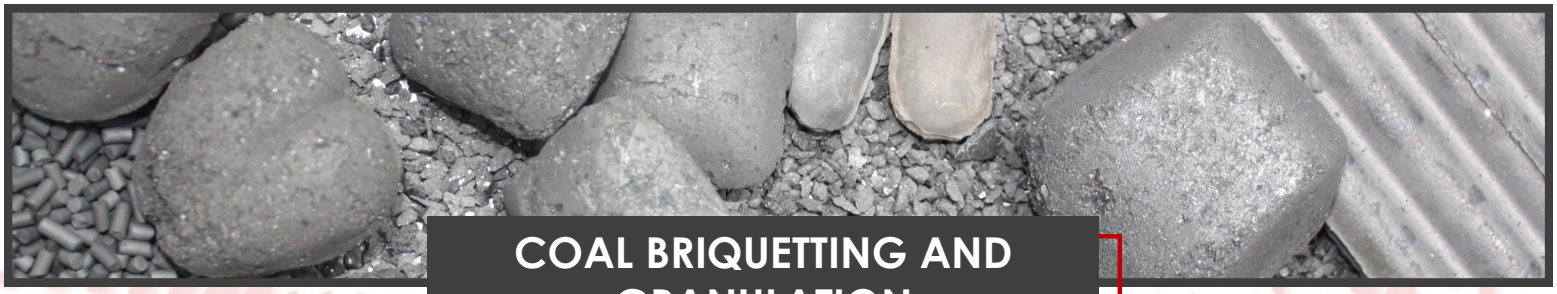

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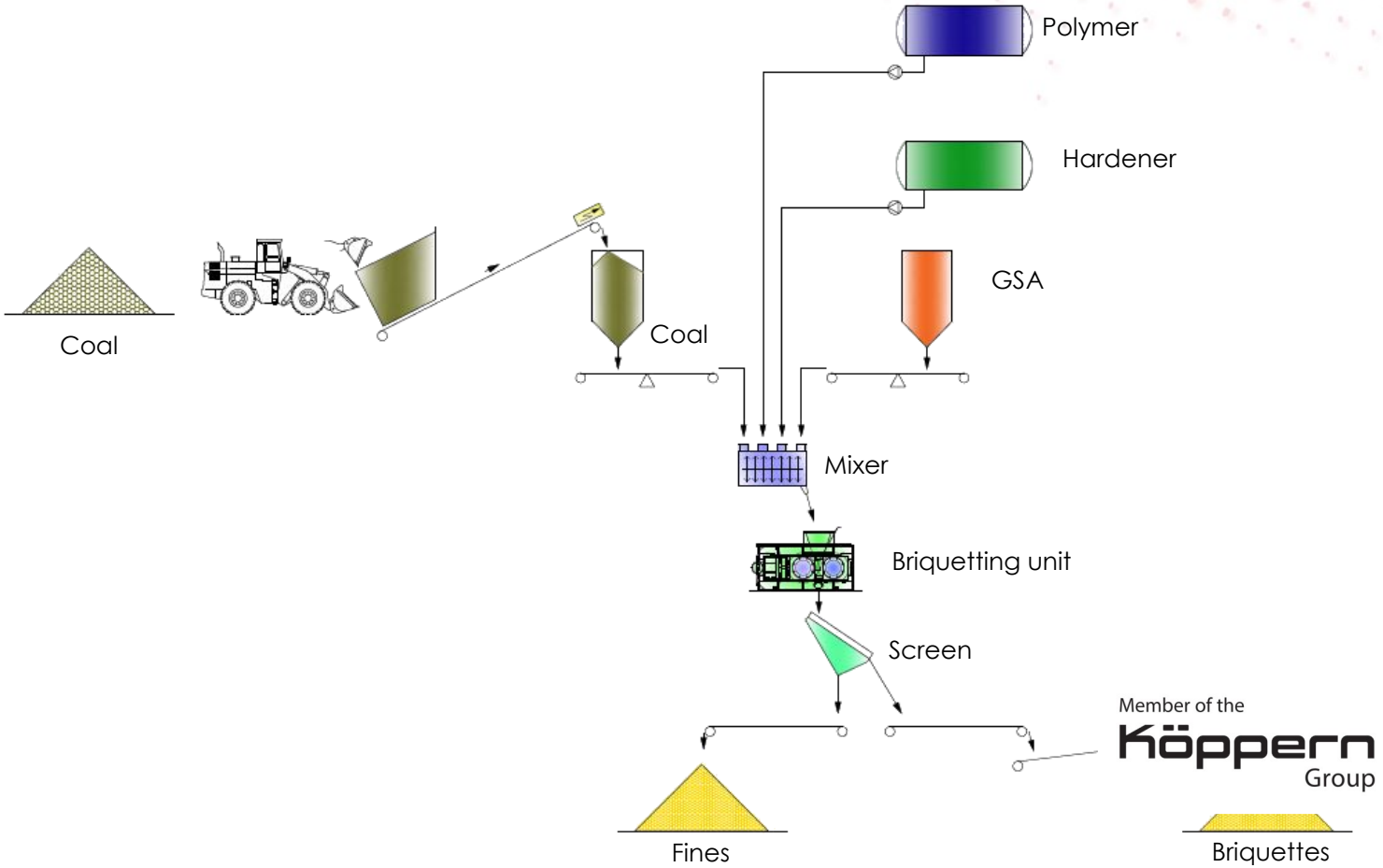
Example of a EURAGGLO agglomeration of coal



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