

Data for the design of a boiler feeding system

designer: project:

customer: location:

1. What is planned?:

- complete boiler feeding system, incl storage technology
- conveyor technology
- silo technology
- separation technology
- dosing technology

2. Infeed material:

- forest chips
- recycling chips
- bark
- RDF residue derived fuel (plastic, paper, plastic waste
from the pulper, pellets)

2.1. Material specification

size: from mm up to mm.
oversize material: from mm.% max.
humidity of material:% water content.
drop weight:kgs/m³
special features:

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.....
.....

Kind and dimensions of possible foreign parts:

.....
.....

2. Logistics:

2.1. How is the material delivered?

- automatic infeed
- by wheel loader (outdoor storage)
- by truck
- others:

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2.2 Which material quantity must be stored/recycled?

Input quantity = tons per year.

The material must be stored/recycled in days per week with a daily operation time of hours.

Output quantity: to the boiler =.....tons per hour.

continuously

discontinuously

number of the infeed intervals =..... per hour,

period of the infeed interval =..... minutes.

2.4 Material recycling?

in front of the main storage

after the main storage

2.5 Size of the storage =.....m³.

3. Process technology:

3.1. Reception of the materials according to specification by:

Reception station

discharge system

loading conveyor

multiple screws

outdoor storage

of existing conveyor systems

others:

3.2. Discharge from the reception station / of the storage container:

1. **storage volume:** m³.

2. **discharge capacity:** m³.

3. **Will the material be mixed out of different containers?**

yes

no

3.3. Separation

ferrous separation

non-ferrous separation

separation of heavy parts (stones, glass, etc.)

3.4. Screening and return of the oversize material

yes

no

3.5. preferred conveying technology

- to be chosen by Vecoplan
- drag chain conveyors
- conveyor belts
- Vvibration conveyors
- conveyor screws

3.6. Intermediate container / daybunker required?

- yes, storage volume m³, discharge capacity m³/h.
- no

3.7. Point of intersection to the boiler system?

- double flap
- drop shaft in front of hydraulic infeed
- dosing container

3.8. Maintenance of industrial health and safety standards

- extinguishing devices
- dust exhaust
- dust precipitation systems

3.6. Elektrische Steuerung

- to be chosen by Vecoplan
- customer's specification
- visualization
- conductive systems
- connection to other systems:

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4. Planning:

4.1. Do first designs, ground plans, outline sketches, etc., already exist, if yes please forward them to us.

- yes
- no

4.2. Does a delivery or performance specification exist, if yes please forward to us.

- yes
- no

4.3. Interfaces to other suppliers?

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4.3. Budget ideas, customer's desires, realization planned for when?

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5.Project stand:

- First design**
 - budget offer
 - draft drawing
- Approval process**
- Detailed design**
 - detailed offer
 - detailed drawing