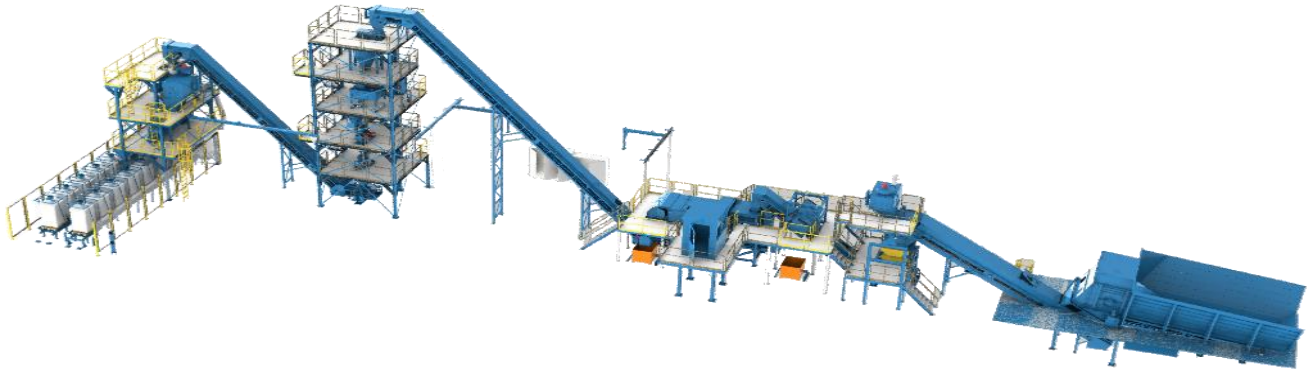
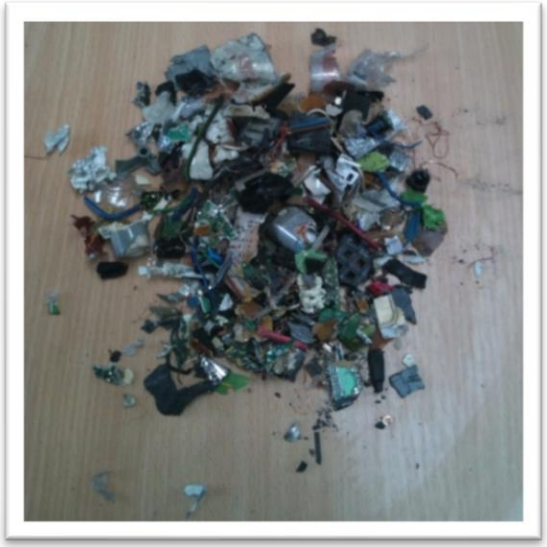
PCB- Recycling concept



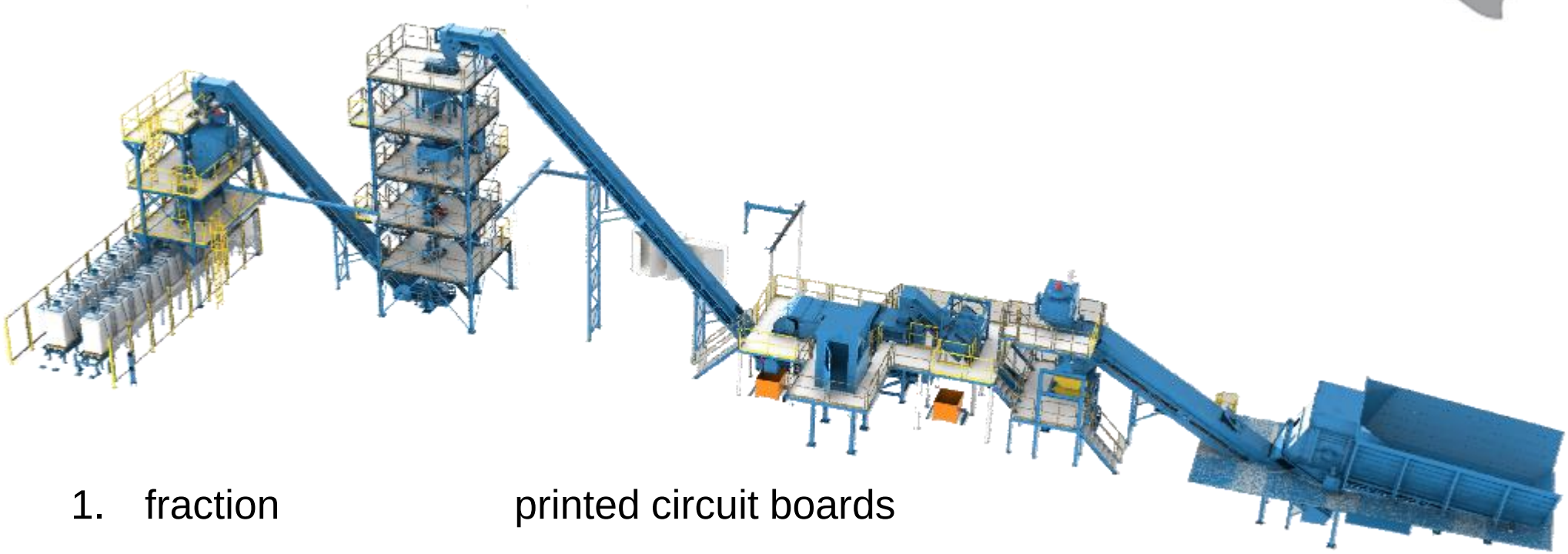
We create following output fractions with this plant

ferrous metal



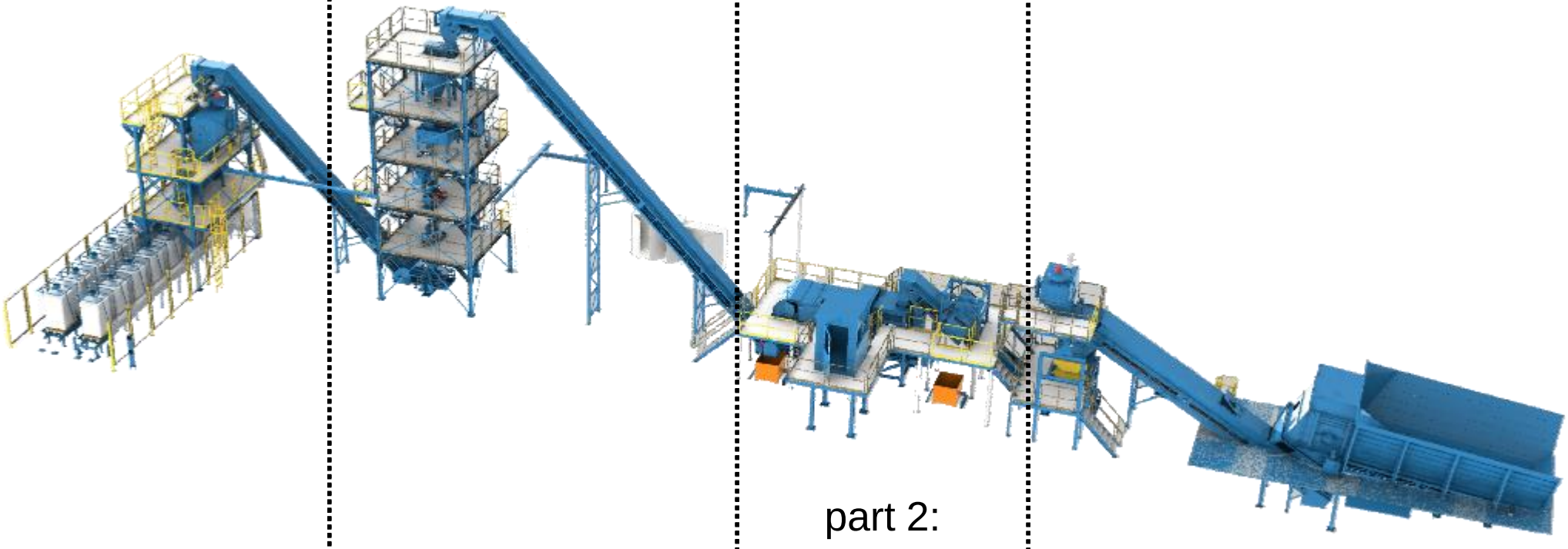
PCB

aluminum



1.	fraction	printed circuit boards	
2.	throughput	2,000 – 3,000 kg/h	
3.	output fractions	FE, Al / Cu	0 – 25 mm
		sampling 1	0 – 25 mm
		sampling 2	0 – 10 mm
		sampling 3	0 – 3 mm

overview



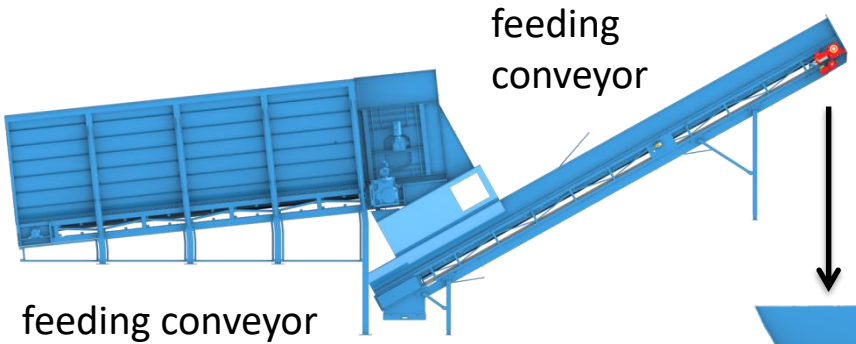
part 4: filling station BigBag‘s

part 3: splitting and sampling system

part 2: separation of PCB, FE and Al

part 1: pre-shredding

flow diagram



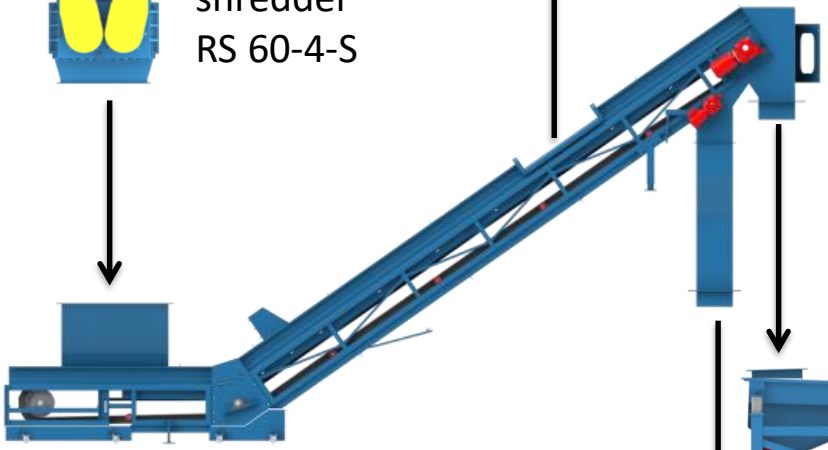
feeding conveyor

feeding conveyor

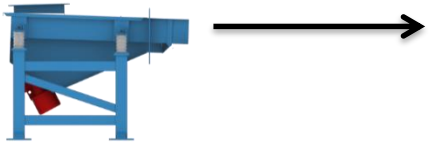
shredder
RS 60-4-S

overbandmagnet

FE



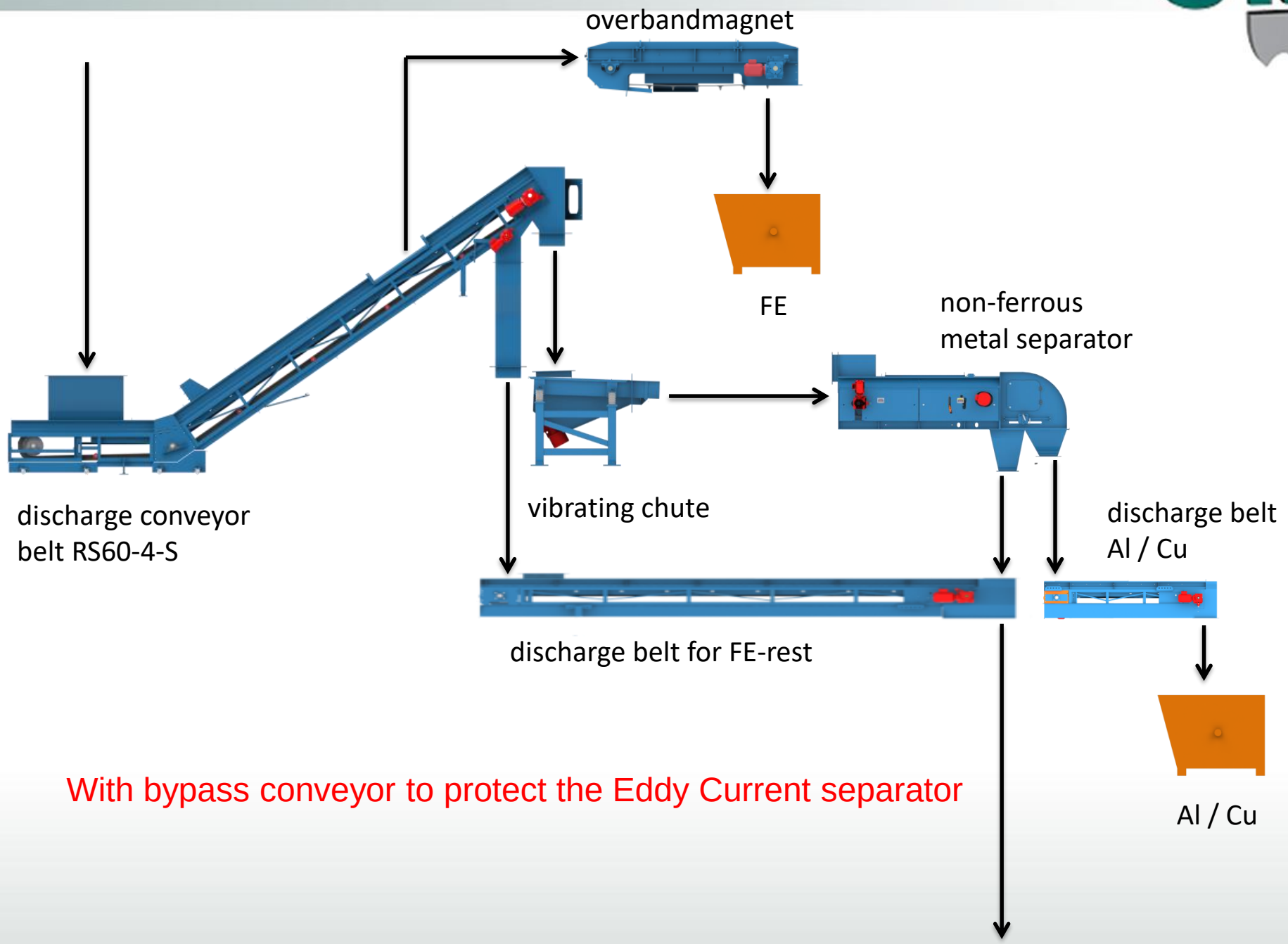
discharge conveyor



vibrating chute

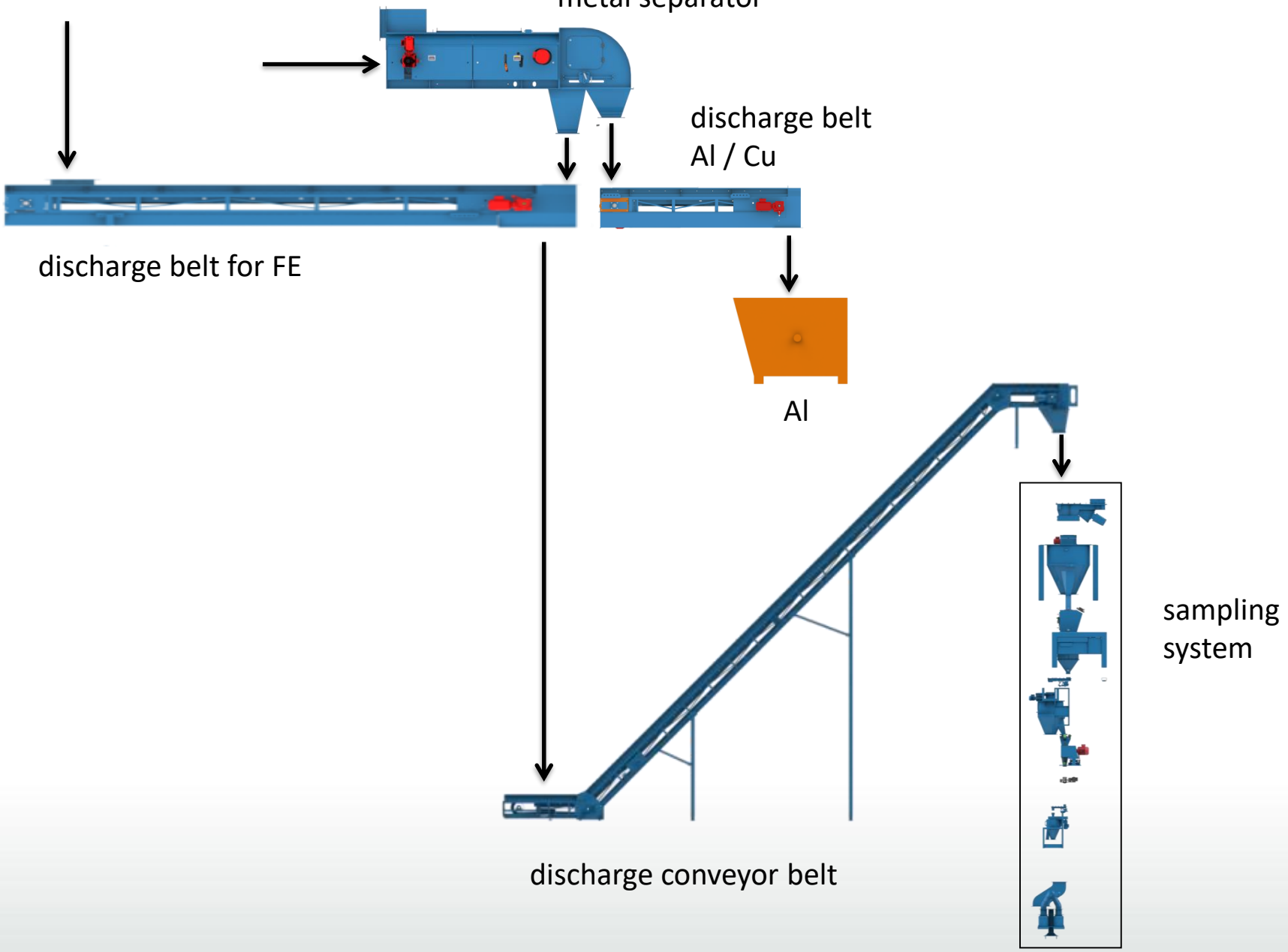
discharge belt for
FE-rest

flow diagram

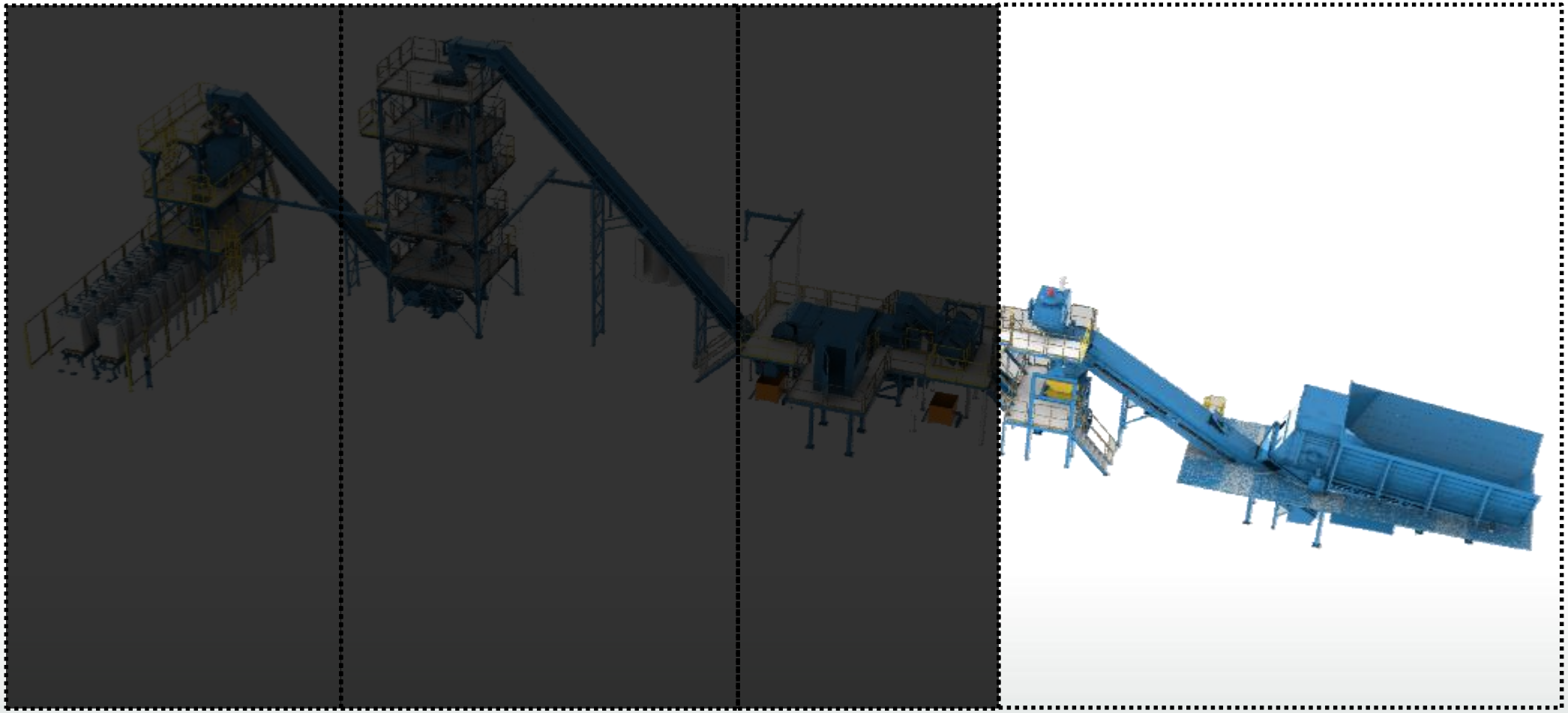


With bypass conveyor to protect the Eddy Current separator

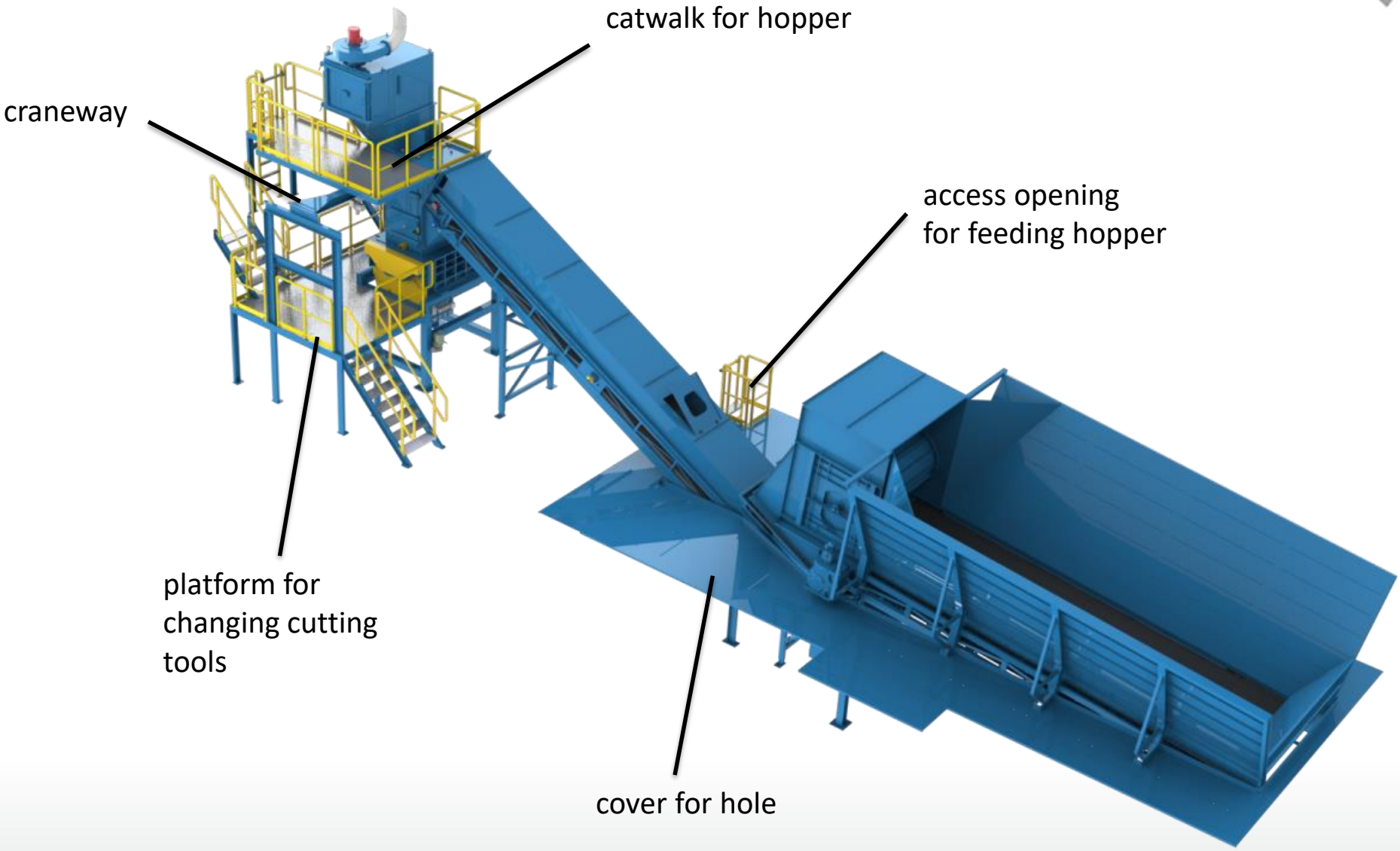
flow diagram



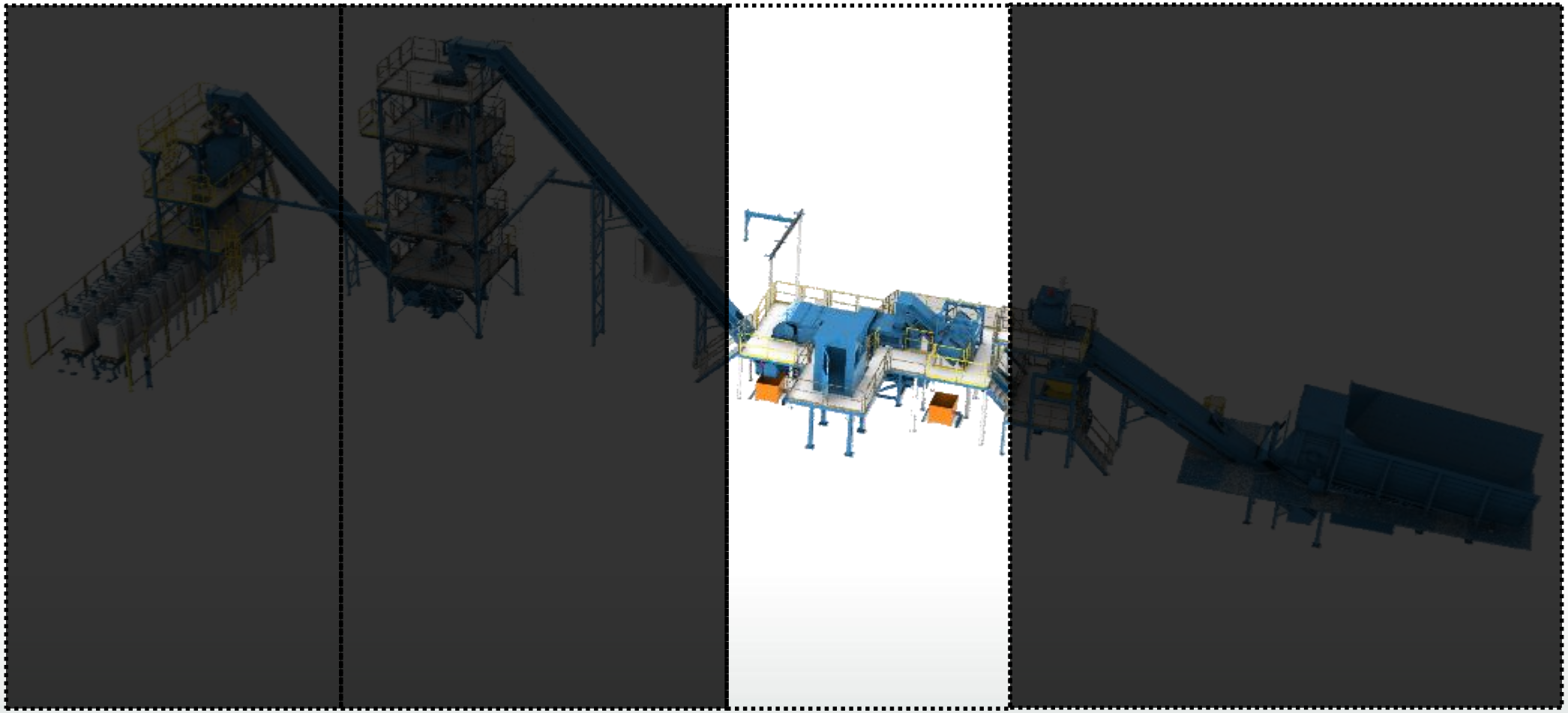
part 1: pre-shredding



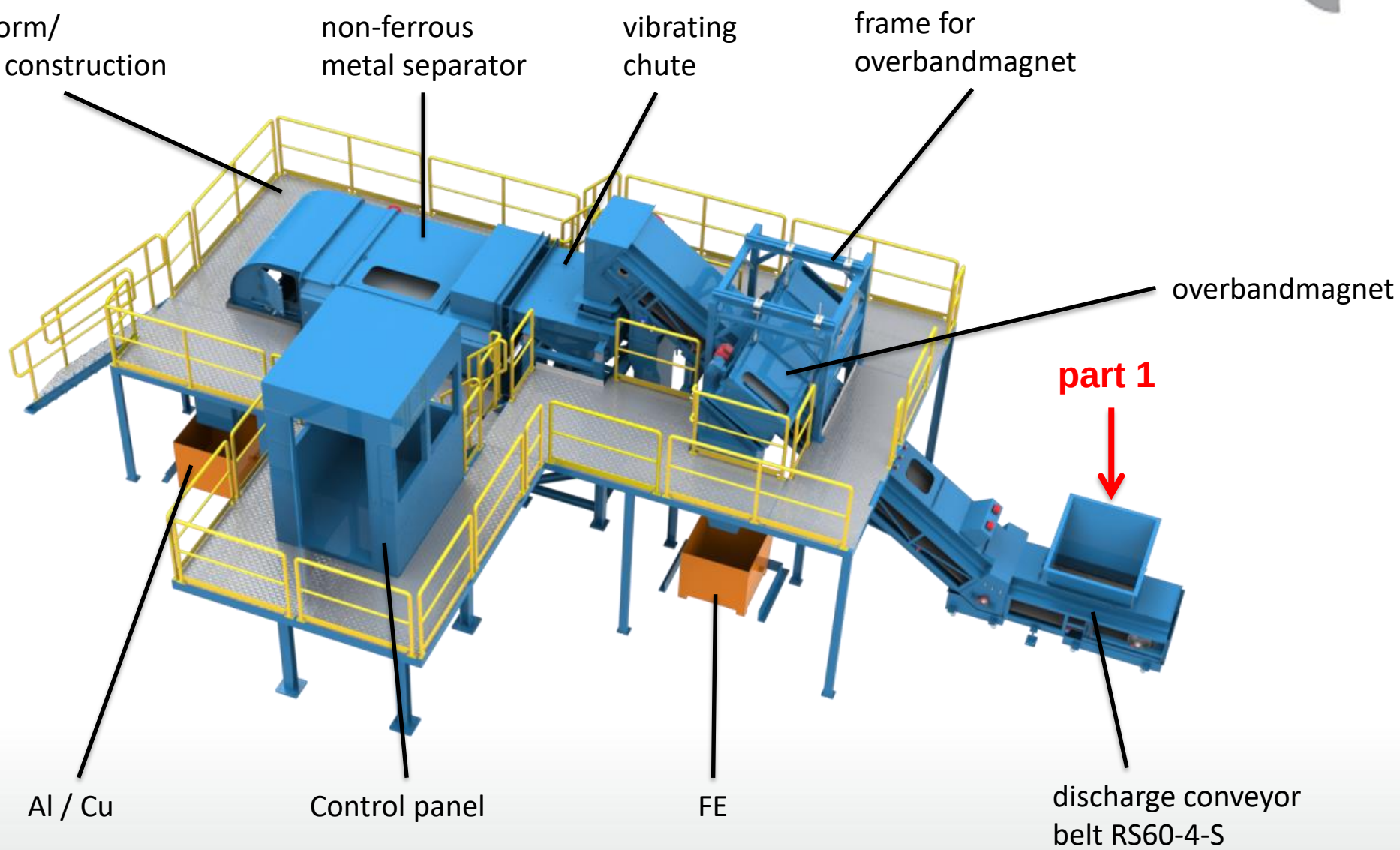
part 1: pre-shredding



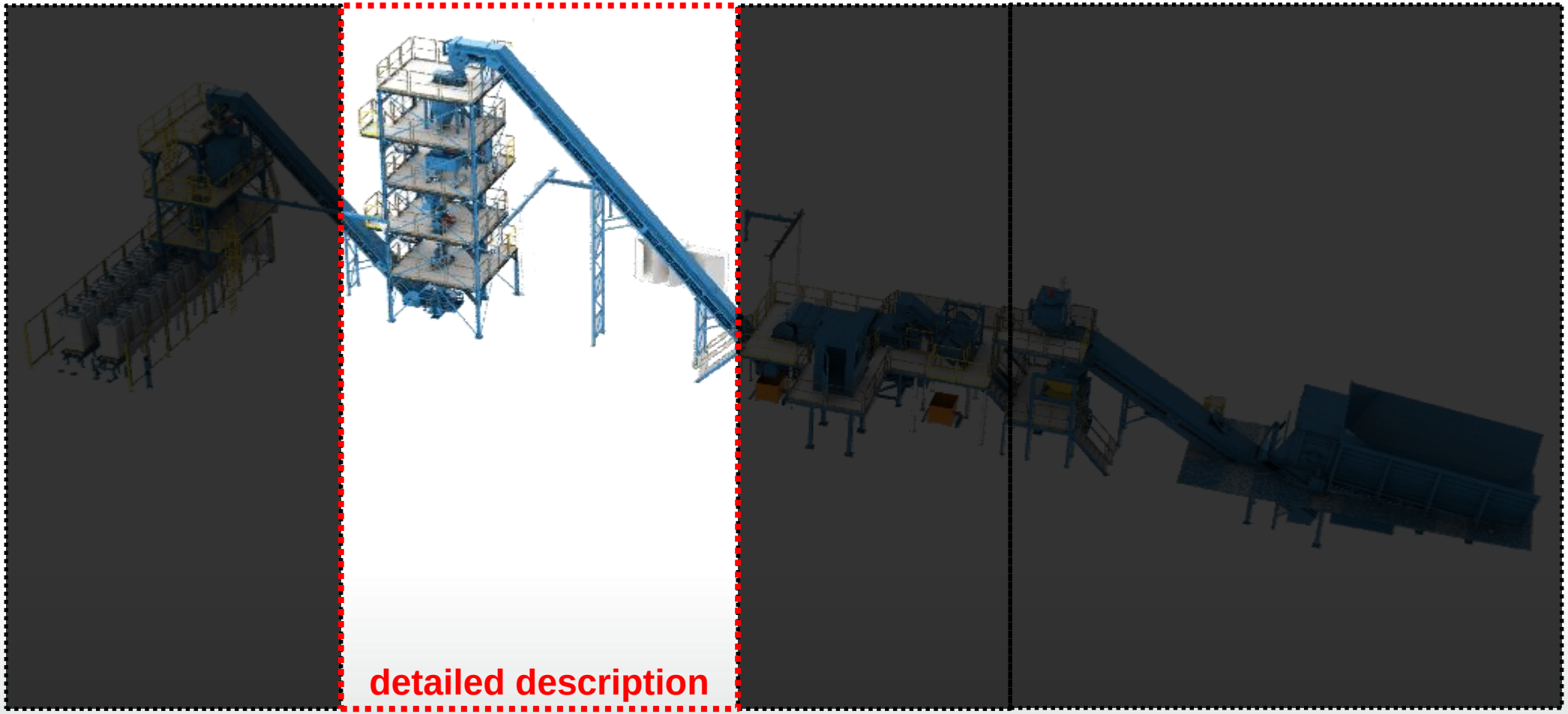
part 2: separation of PCB, FE and Al



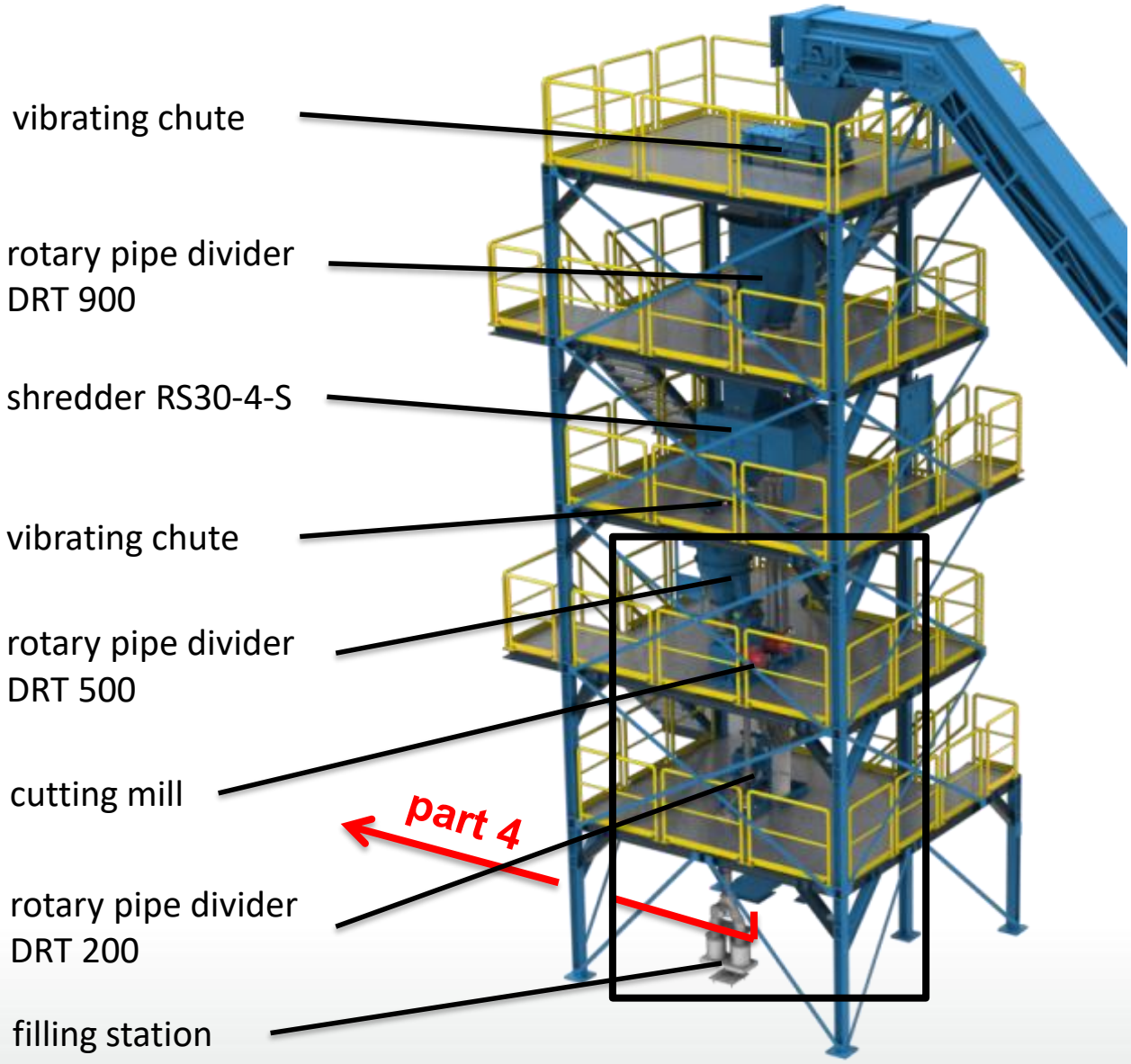
part 2: separation of PCB, Iron and Al

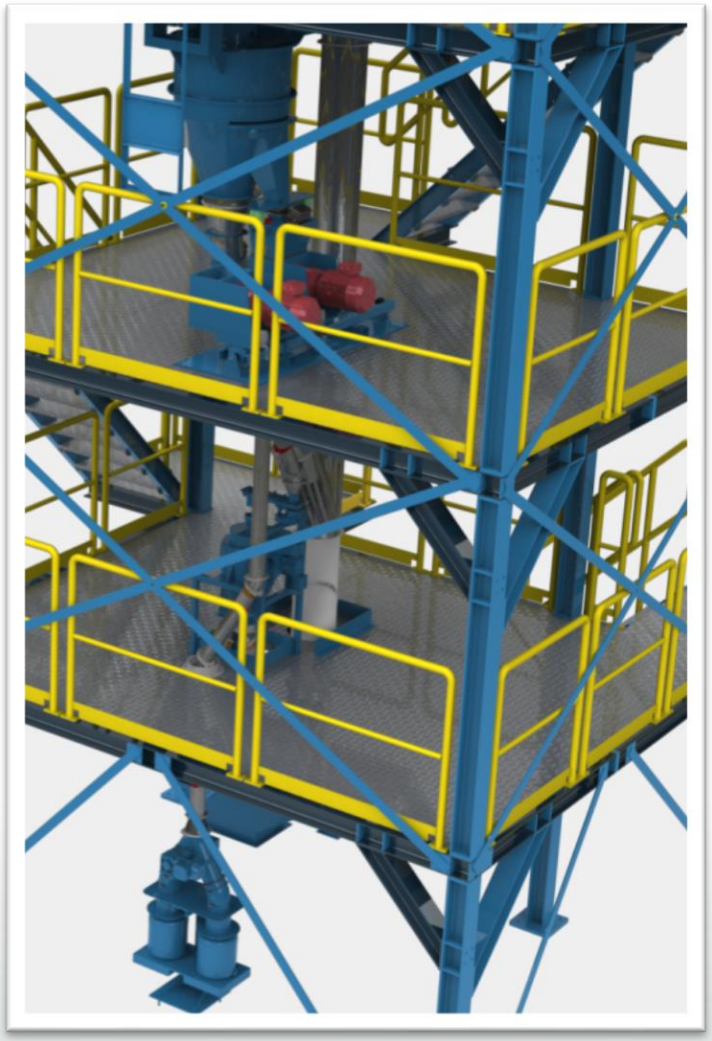


part 3: dividing and sampling system

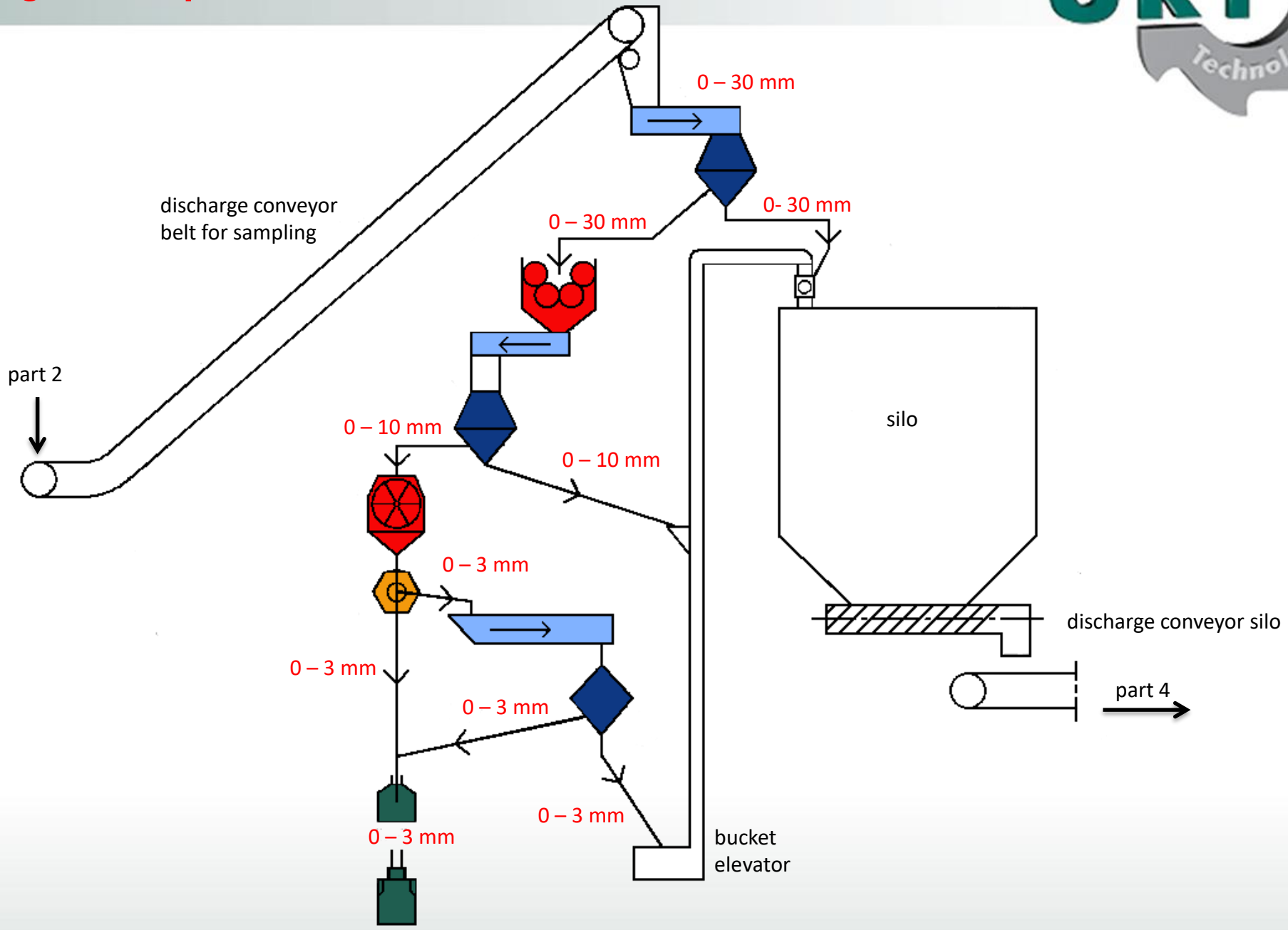


part 3: dividing and sampling system

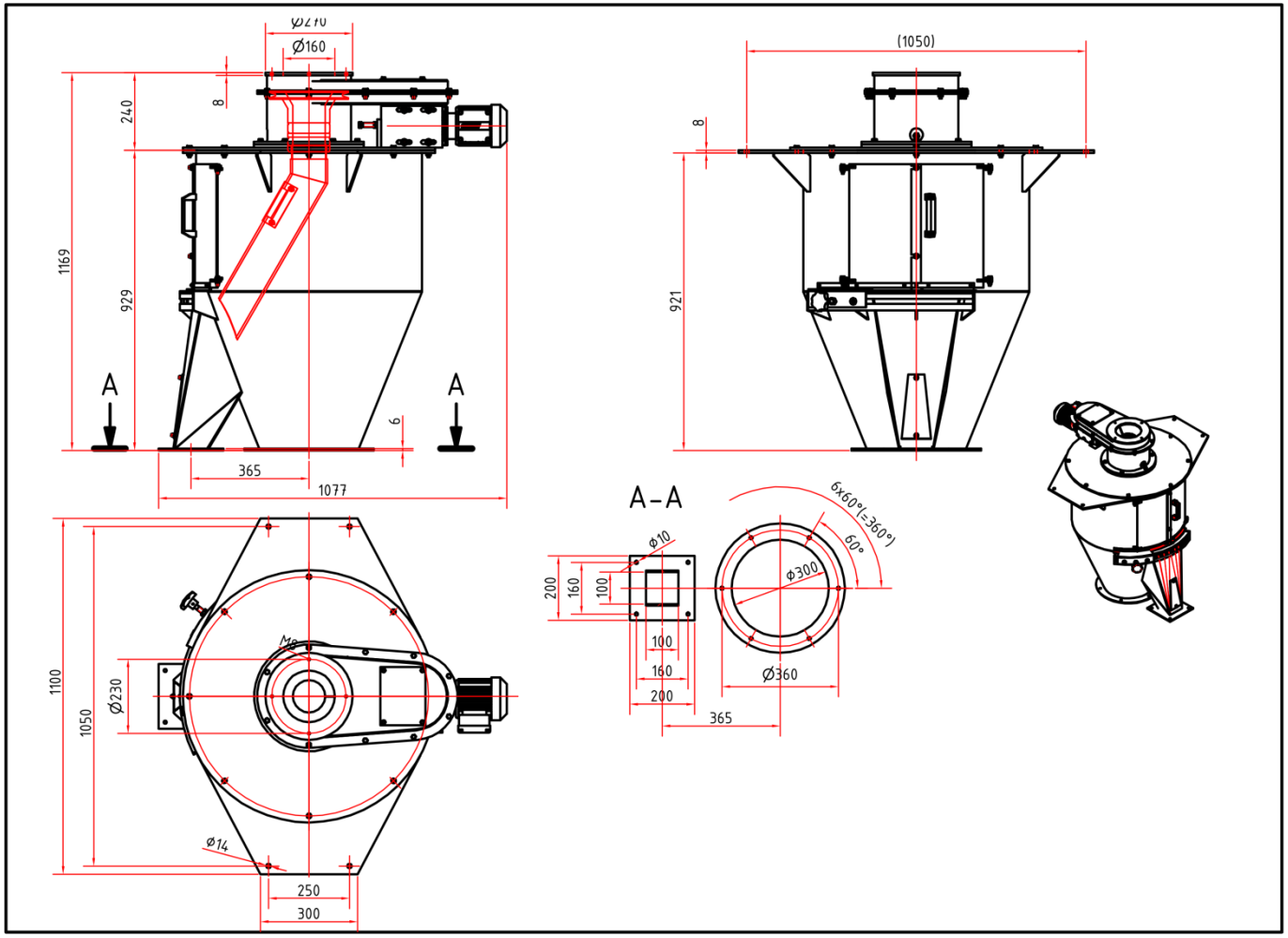




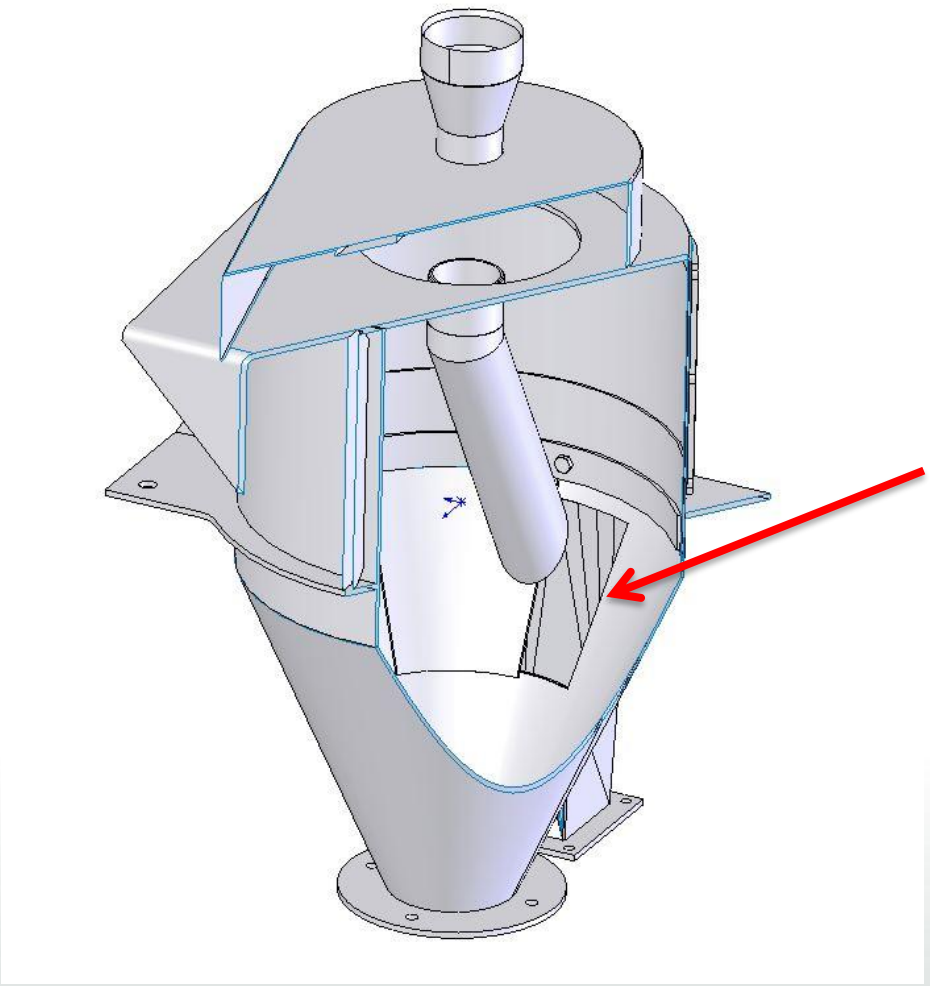
flow diagram for part 3



Sampling by fraction dividing

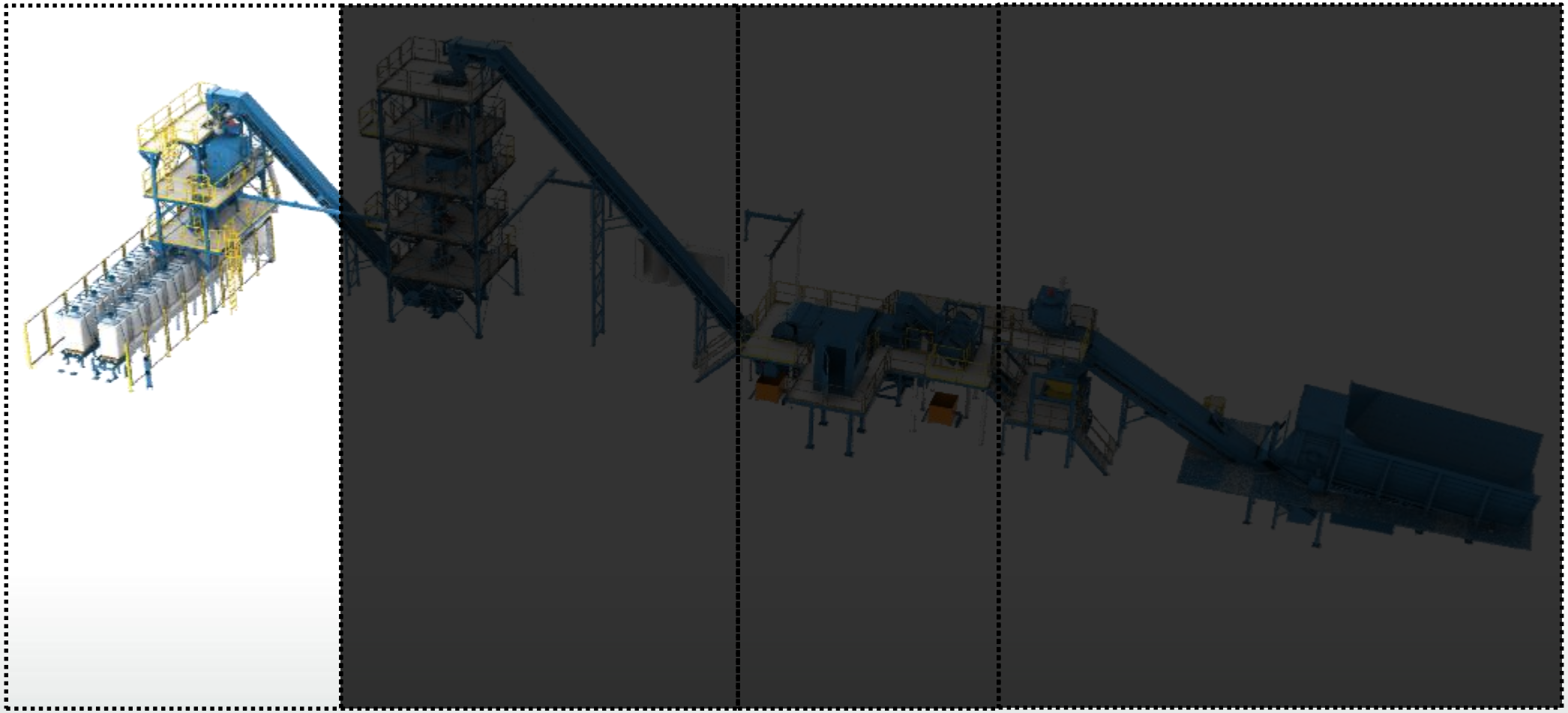


Sampling by fraction dividing



Splitting ratio:
adjustable
1:8 – 1:35
(or other rates)

part 4: filling station BigBags



part 4: automatic filling station BigBags