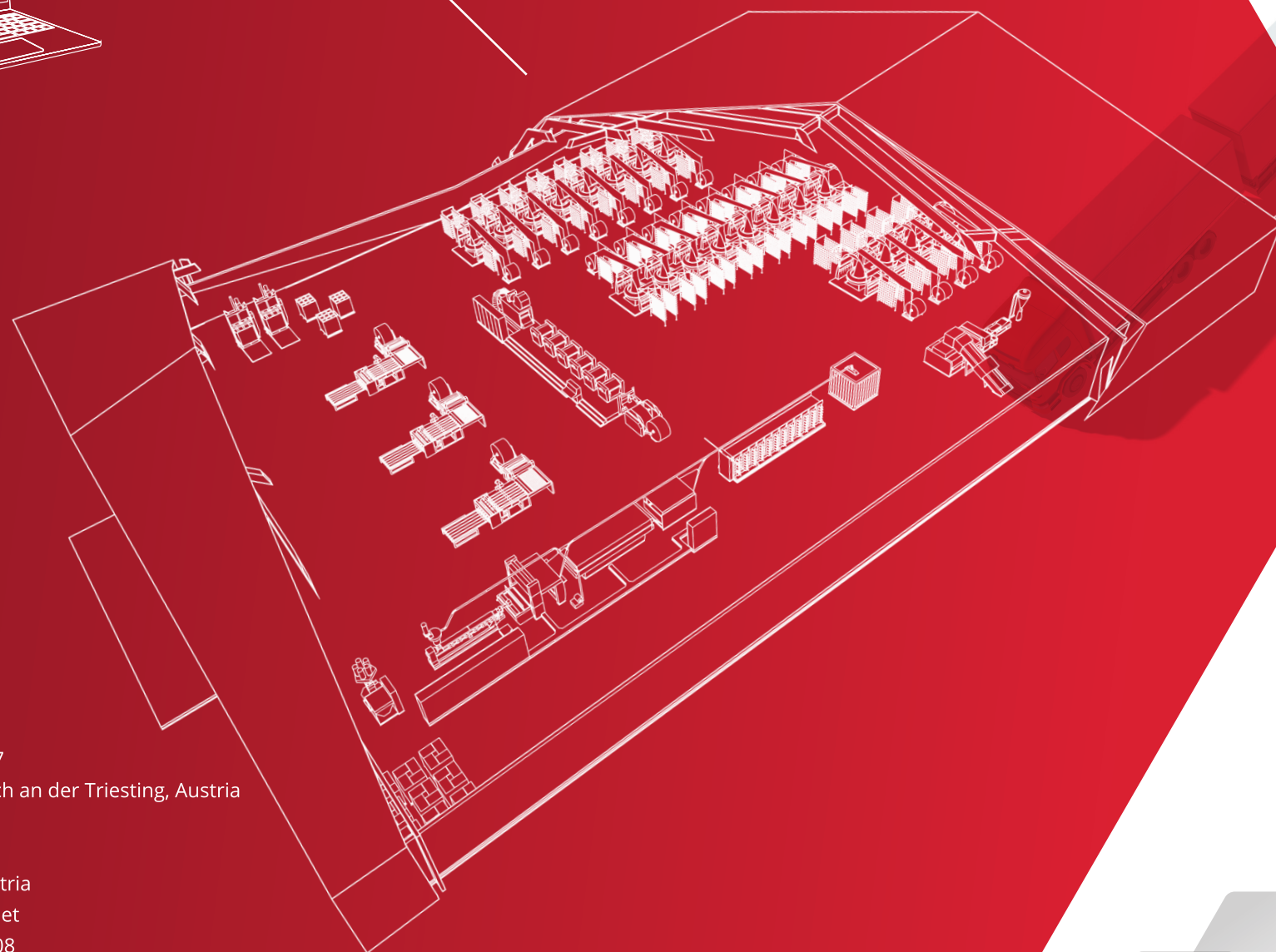**GRAFiT**

offers a unique procedure for the integrated analysis of production and process data as a basis for decisions concerning the whole enterprise. Short implementing times and the use of standard technologies guarantee the success of the modular procedure.

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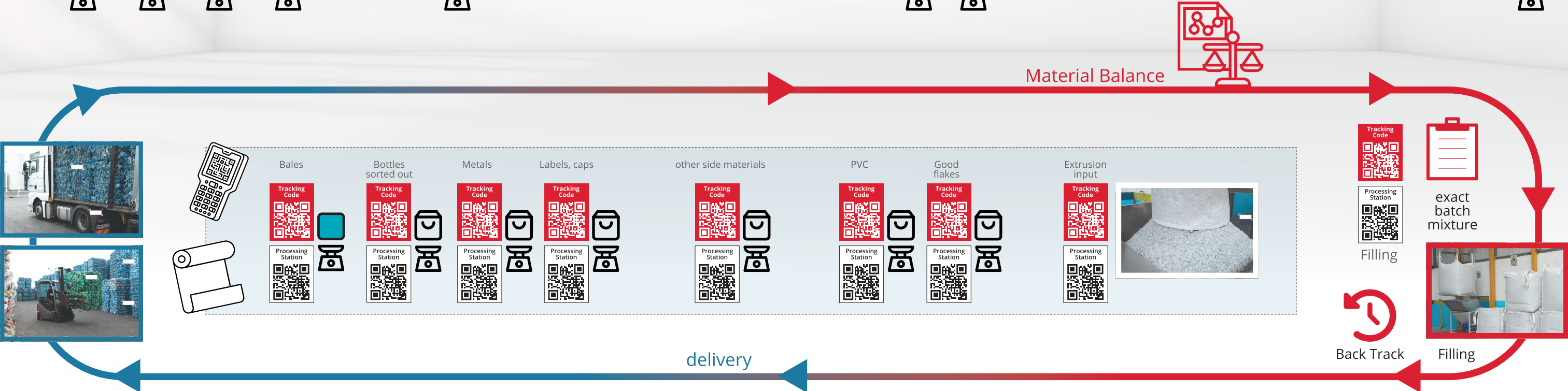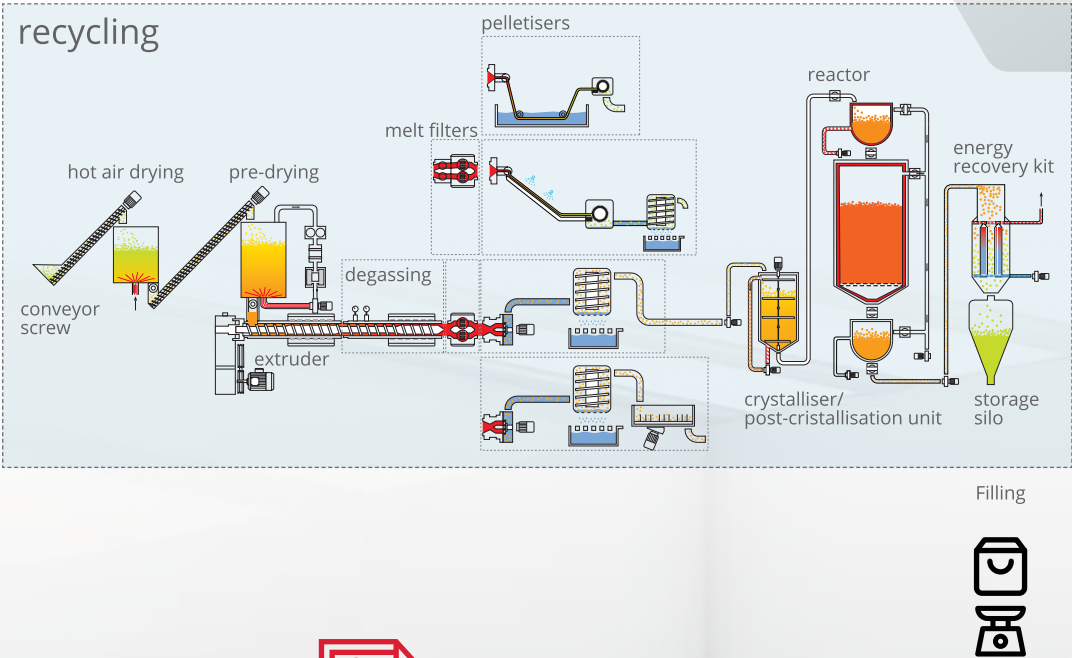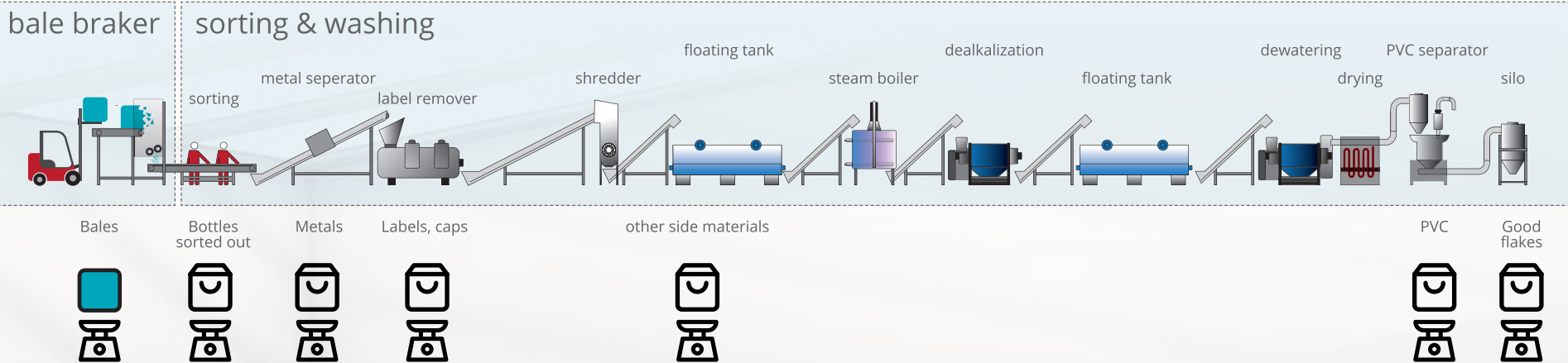www.grafit.net

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GRAFiT

Traceability

mFLOW — get your material balance

mFLOW basedata — shift times   mFLOW hardware — scales   mFLOW output — material balance per shift

recycling

pelletisers
reactor
melt filters
energy recovery kit
hot air drying   pre-drying
degassing
conveyor screw
extruder
crystalliser/ post-cristallisation unit   storage silo

bale braker

sorting & washing

floating tank   dealkalization   dewatering   PVC separator
sorting
metal seperator   shredder   steam boiler   floating tank   drying   silo
label remover

Bales   Bottles sorted out   Metals   Labels, caps   other side materials   PVC   Good flakes   Filling

Material Balance

Tracking Code
Processing Station
exact batch mixture
Filling

Back Track   Filling

delivery

rTRACK — tracking of your material flow

Bales   Bottles sorted out   Metals   Labels, caps   other side materials   PVC   Good flakes   Extrusion input

Tracking Code / Processing Station (repeated per station)

rTRACK basedata
- process
- process stations
- durations
- used for plausibility check
- supply information
- shift times

rTRACK hardware
- scales
- QR code scanner
- QR code printer

rTRACK process
- scan QR code on each major processing station, to keep track of batches
- mixture of batches are possible

rTRACK output
- batch tracking
- output pallets to input batch connection —— which batches are included (in %) in output
- supplier tracking —— track quality of delivered bales
- material balance
  - per shift
  - per supplier
  - per batch

Traceability