

NORDIC BULK.



Presentation

NORDIC BULK TOWARDS 2025

NORDIC GROUP

```
graph TD; NG[NORDIC GROUP] --> NB[NORDIC BULK AS]; NG --> NR[NORDIC ROADS AS]; NB --> NB_desc["Equipment and services for bulk material processing plants in Mining and Aggregates industries"]; NR --> NR_desc["Equipment for mobile material processing & steel solutions for tough conditions"];
```

NORDIC BULK AS

*Equipment and services for
bulk material processing plants in
Mining and Aggregates industries*

NORDIC ROADS AS

Equipment for
mobile material processing &
steel solutions for tough conditions

**If you always do
What you always did,
You always get
What you always got**



EPD?

Environmental Product **Declaration**

Regulated by ISO 14025

Diesel vs El power

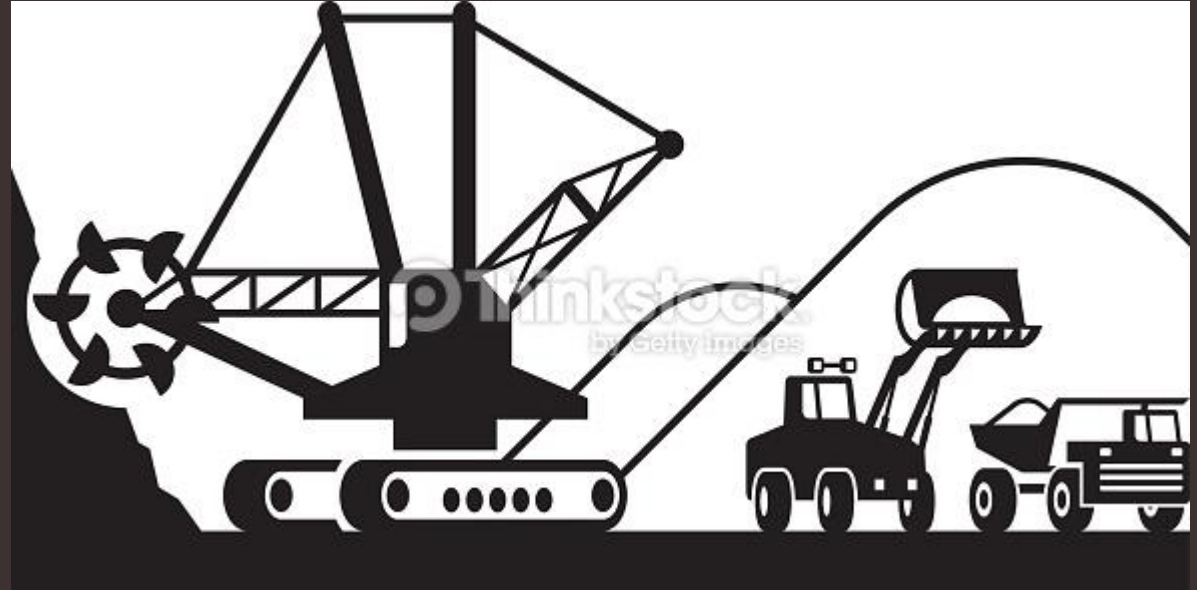
- 1 Liter Diesel = 10.1 kW
- 1 Liter Diesel = 2,7 kg Co₂
- Normal Combustion Engine utilize the fuel approx. 30%
- Diesel cost approx. 22 kr/liter (March 2023)
- El Power 0,8-0,9 kr pr kW (+net kost)
- As a reminder: Electric Car uses approx. 1,5kW pr 10km, recalculated to diesel this is 0,2l/mil



Diesel consumption

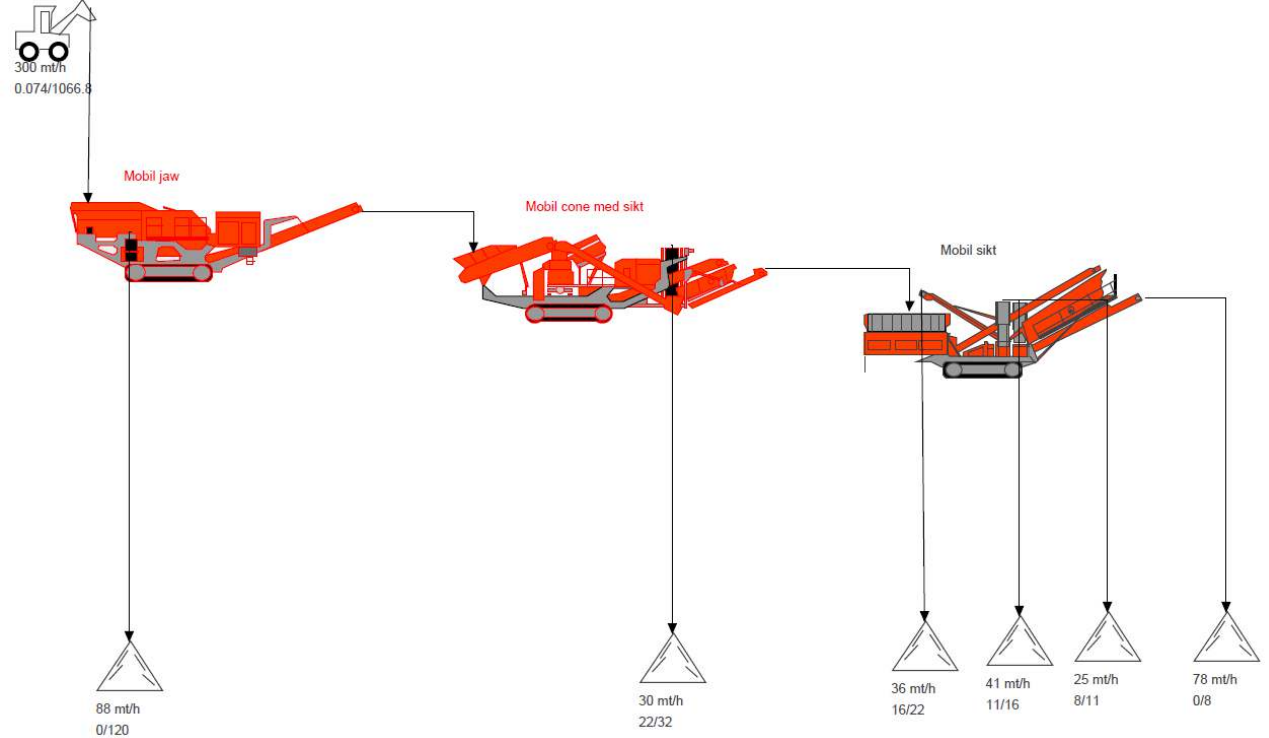
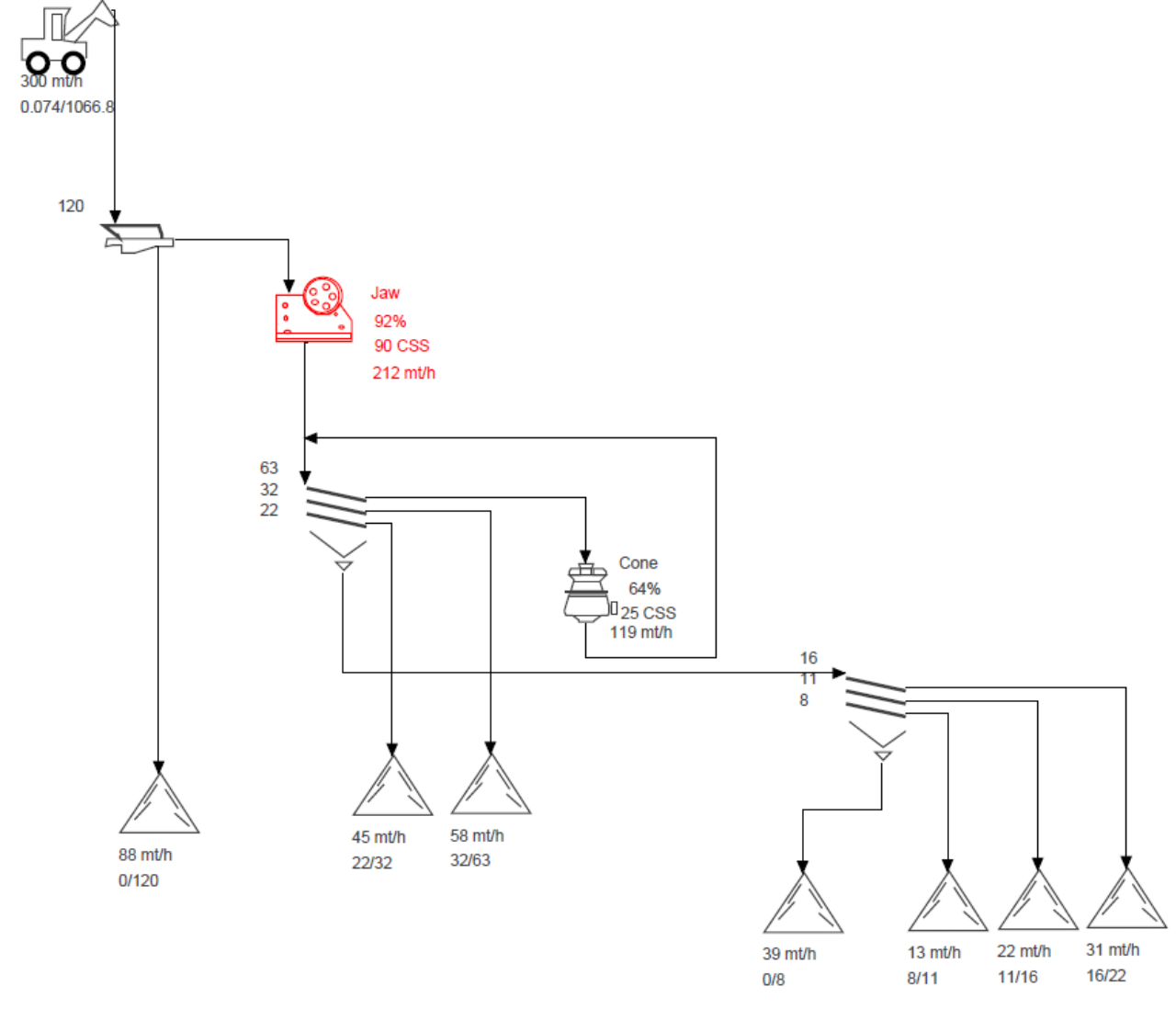
(Approx numbers)

- Excavator 50 ton 25 l/hour
- Excavator 30 ton 20 l/hour
- Wheel loader 20 l/hour
- Truck 25 l/hour
- Primary Crusher 25 l/hour
- Sec/Fine Crusher 25 l/hour



CO2 emission:

- 2,7 kg CO2/liter



CO₂

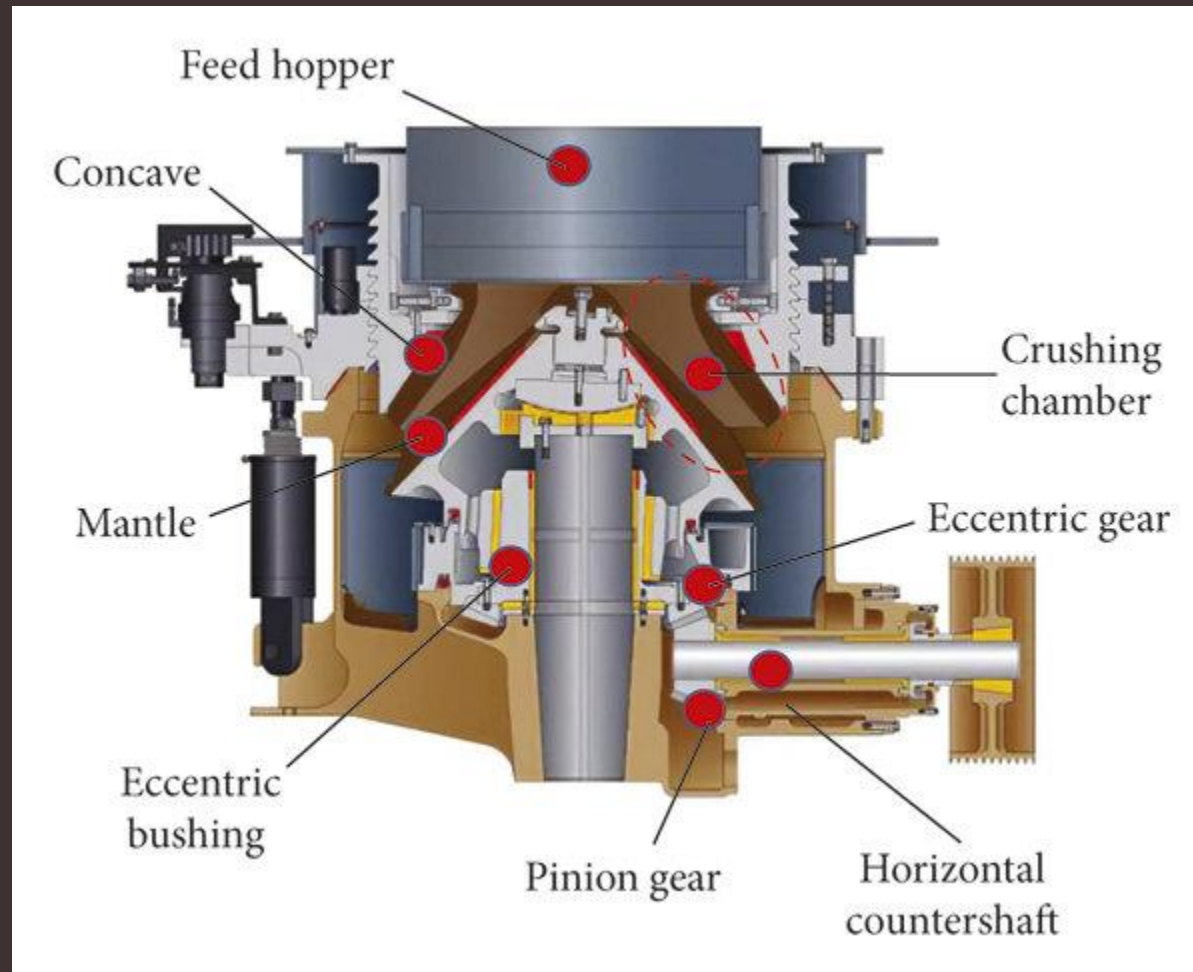
Decription	Diesel consume stationary plant	CO ₂ stationary plant	CO ₂ pr tonn stationary plant	Diesel consume mobile plant	CO ₂ mobile plant	CO ₂ pr tonn mobile plant
Quarry	151 200	408 240	1,63	151 200	408 240	1,63
Production plant	0	0	0	80 500	217 350	0,87
Customer storage and loading	17 500	47 250	0,19	17 500	47 250	0,19
Totalt	168 700	455 490	1,82	249 200	672 840	2,69

This rough calculation gives 0,87 kg better Co2 pr tonn by
stasionary plant

If 700 hours/350 000ton production this gives 220 000kg less
Co2 pr year

Or 47% better EPD numbers on CO₂!

Manganese steel pars





Production Area

Based on energy mix, scrap iron mix, base-metall mix and transport to marked

Nordics (Norway)	2830 kg Co2 (GWP) pr ton product
South Europa (Portugal)	3831 kg Co2 (GWP) pr ton product
Asia (Kina)	4950 kg Co2 (GWP) pr ton product

By choosing local produced parts you can save **35-74%** Co2 pr ton used Manganese parts



Circular Steel

Normally you need to change the parts after 8-18% use pending the parts shape. A lot of the Manganese steel are left in the part. This keeps the same specification and can be reused “for ever”

The real big difference is to keep the steel in YOUR loop:

Reused scarp steel 815 kg Co₂ (GWP) pr ton product