

# WHAT'S WRONG WITH RMC?

- ✓ 50 – 80% owned by cement producer considering RMC “packaging of cement”, way to sell cement & aggregates
- ✓ (in NL a concrete with less OPC = > € 4/m<sup>3</sup>!)
- ✓ The worse the aggregate the more cement is needed
- ✓ PROCESS control under ideal lab condition (LAB-CRETE)
- ✓ Is a NOT Quality Controlled half product (REAL-CRETE)
- ✓ Uses one of the 27 different EN 206
- ✓ Production and placing mostly by different companies
- ✓ Language communication and no basic training
- ✓ Etc.

# Errors till supply on site

- Aggregates not conform but still used
- Mix truck still had cleaning water
- Scoops had old concrete
- Truck itself segregated
- Wrong slump class choosen
- Truck stopped mixing or to high RPM
- Free fall limitations are violent
- WATER ADDED ON SITE (contractor did not want to pay for admixture)
- Seggregation at pump not a reason to stop the pour

# Problems on site

- Ice and snow in mould
- Spacers missing or poorly attached (SCC!)
- Wrong, too little or too much demoulding agent
- Form work removed too fast (hard but not cured)
- Too much time between demoulding and curing
- Curing agent; not applied, too little or not repeatedly (horizontal sometimes, vertical rarely)
- Plastic Foil (replacing curing) blown away
- Etc.