The Guideline for Hot Mix Asphalt Recycling in Plant

in a nutshell

Dr. Ruud Reintjes
Production of recycled asphalt is:

as easy and as complicated

as production of hot asphalt

Don’t worry, but take care to do it the right way
Why recycle asphalt?
- valuable materials
- less virgin materials
- no waste disposal
- legislation
Why recycle hot?
- highest technical value
- recycleble again and again
When recycle old asphalt?

- enough old material
- cost effective
How recycle hot
- cold addition
- batch plant with parallel drum
- drum mixer
- special processes (100%)
Special processes

- Renofalt (100%)
- Mars (100%)
Assumed proportions of hot recycling
- 25% of all 4500 plants in Europe is fit for recycling
- 15-80% old material
Pre-preparation and investigation of old asphalt
- do know what you put in
- volumetric mix design
- design the composition and characteristics, of complementary virgin components
Results of old asphalt

-100% quality level is needed!

-100% quality level is possible!
Useless asphalt can be re-used
- contaminated materials
- destruction of PAH’s
- other, bitumen containing materials
Costs
- price of old asphalt
- extra activities
- extra investments
- extra operating costs
- extra quality control
Future development

- less new
- more old
- higher recycling percentages
Future asphalt production

- 85% old asphalt
- 15% old asphalt as fuel
- 1% new binder or additive
- p.m. if necessary sieve curve correcting aggregates
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