XRGREEN.CON · ERASMUS+

VR & 360° Simulation Catalogue

Immersive training for green & circular construction — scan any tile to launch the experience.

22 simulations

8 themes

360° · VR-ready



Preparation of green concrete

Batch recycled aggregate & binders in the lab.



Concrete mixing

Get the water-cement ratio & workability right.



Porous concrete — site prep

Prepare a permeable, flood-reducing site.



Porous concrete — installation

Lay porous concrete that keeps draining.



Asphalt recycling — production

Sort & select reclaimed asphalt.



Asphalt recycling — laying

Lay recycled asphalt — temperature & compaction.



Asphalt recycling — maintenance

Inspect & maintain recycled asphalt.



Precast — process overview

Precast, from mould to demoulding & QC.



Reinforcement selection

Choose the right bar size, placement and spacers.



Reinforcement assembly — precast factory

Tie a reinforcement cage correctly.



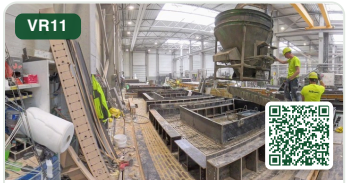
Reinforcement assembly — wind turbine foundation

Mesh, spacers & cover on a turbine base.



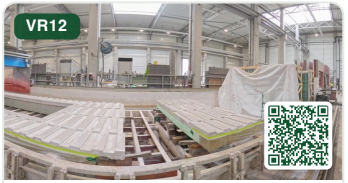
Reinforcement assembly — multi-storey site

Rebar works on a residential building site.



Casting process

Pour & compact without segregation or voids.



Concrete curing

Cure to full strength & durability.



Maturity-sensor optimisation

Read strength live with maturity sensors.



Construction waste separation

Sort C&D waste into reuse streams.



Earth-work logistics

Optimise earthworks & haulage emissions.



Selective bathroom demolition

Strip a bathroom for material reuse.



Selective room deconstruction

Deconstruct a room, recover materials.



Sustainable materials & heat islands

Materials that cut the heat-island effect.



Recognising safety risks

Spot construction-site safety hazards.



Choosing safety measures

Choose measures; protect trees & soil.

How to view: scan a QR (or tap a tile) to open the launch page — view it in any browser, or enter the **access code** in the free **Uptale Player** app (Meta Quest, Pico) for full VR.

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