

PARAMETRIC DESIGN HOW TO REAP THE BENEFITS?



Bunno Arends
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CHALLENGES OF CIVIL ENGINEERING (GWW)



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Materials

- Impact of designs (MKI / CO2)
- Less materials / Other materials
- Re-using materials

Towards circular design

- Material Passports
- Design from warehouse materials



PARAMETRIC DESIGN

Transparency

System optimisation

Longevity

deals with increased complexity

Ecosystem Growth

Faster Development

HOW ABOUT?



CAN WE PULL RESOURCES AND SPEED UP ?

How?

What?

Whom?

When?



A nighttime photograph of a port terminal. A large container ship, the APL Poland, is docked on the left. The ship's name and 'NASSAU' are visible on its hull. The ship is illuminated from within, showing lights in the lower decks. To the right of the ship, several large gantry cranes are positioned over the dock. The cranes and the dock area are lit up with warm yellow lights, creating a strong contrast with the dark blue twilight sky. The dock floor is made of wooden planks and shows some tracks. In the background, more port infrastructure and lights are visible, extending into the distance. The overall scene is a busy port at night.

CAN WE?