

# Tector Print



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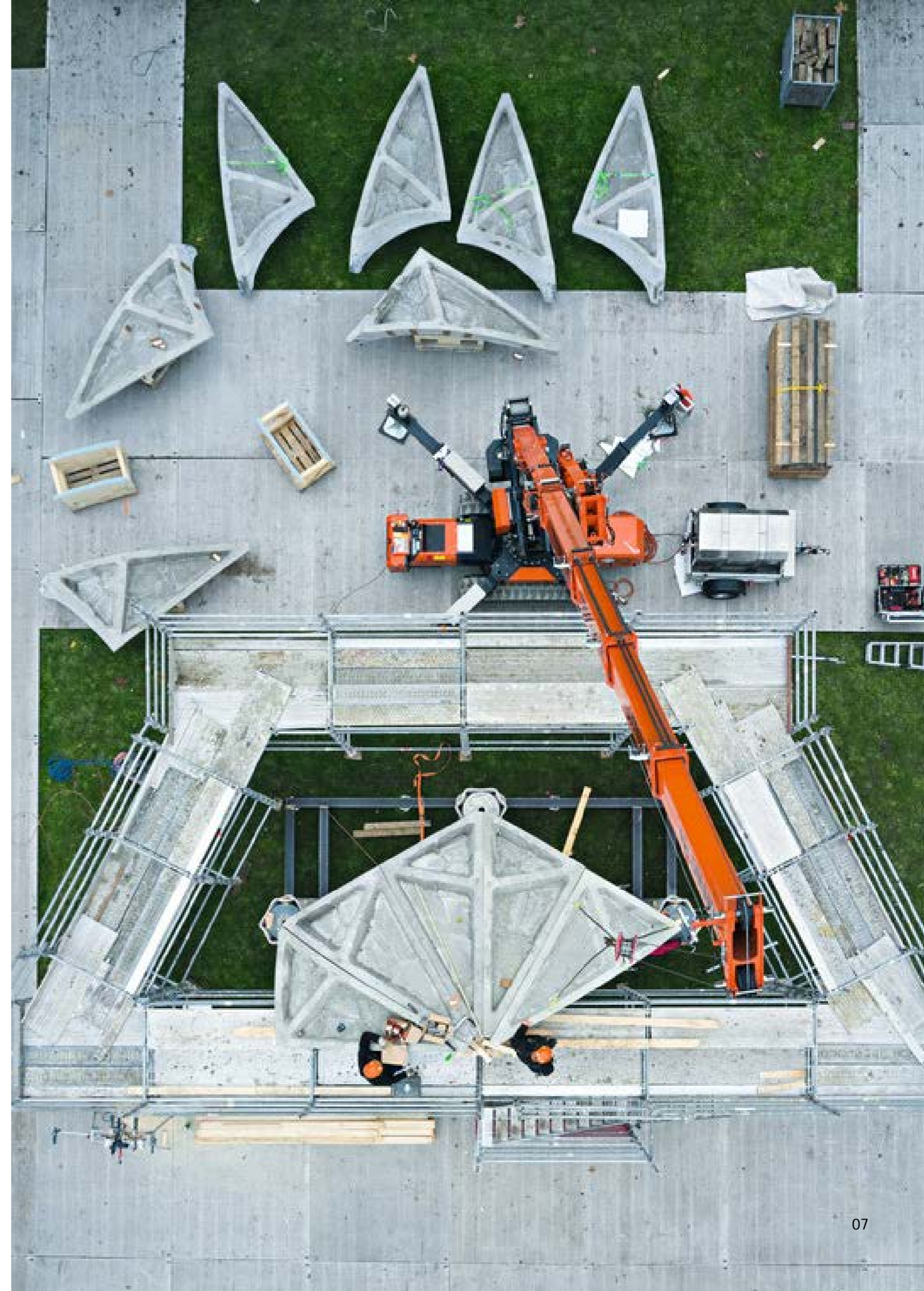
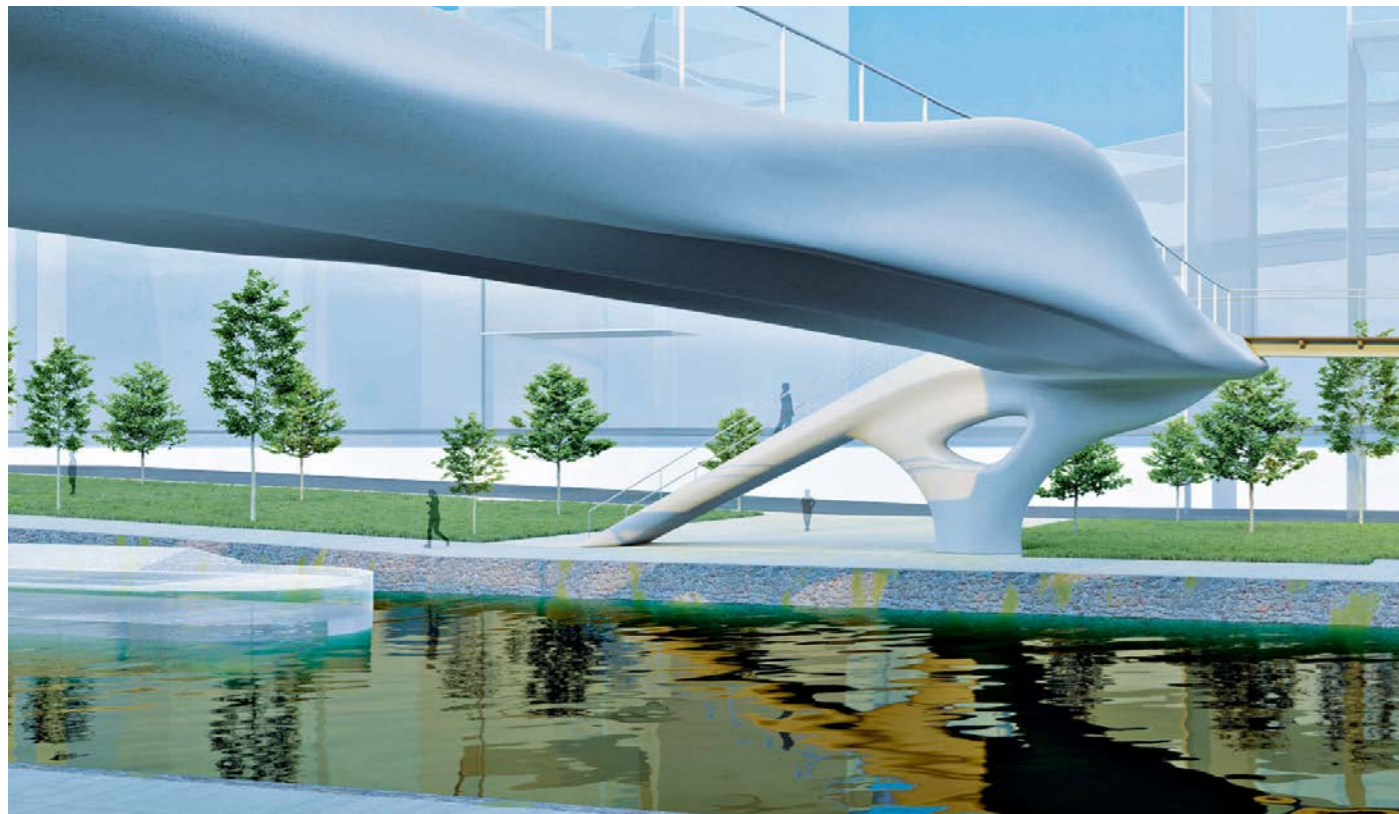
# HOLCIM ADVANCED OFFER



Part of our advanced mortar offer, TectorPrint is an innovative 3D printing ink range that can be tailored for complex applications from residential buildings to infrastructure.

TectorPrint is opening new opportunities to build better with less and supports architects and designers to showcase new possibilities for building.

By enabling smart design, TectorPrint is helping drive circular construction.



# BENEFITS



**Material efficiency:**  
material only where needed, no formwork



**Design freedom & (mass) customization**



**Increased construction speed and productivity**



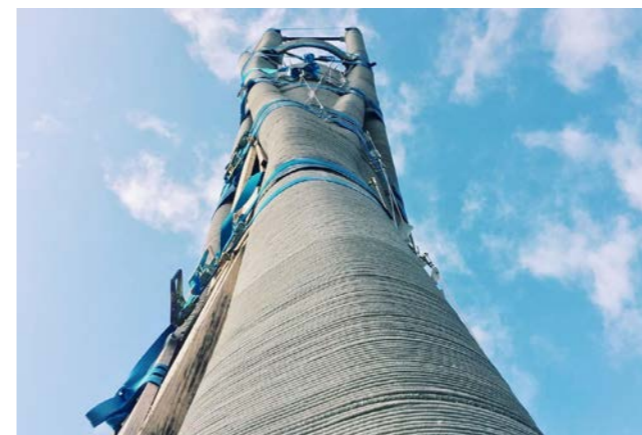
# APPLICATIONS

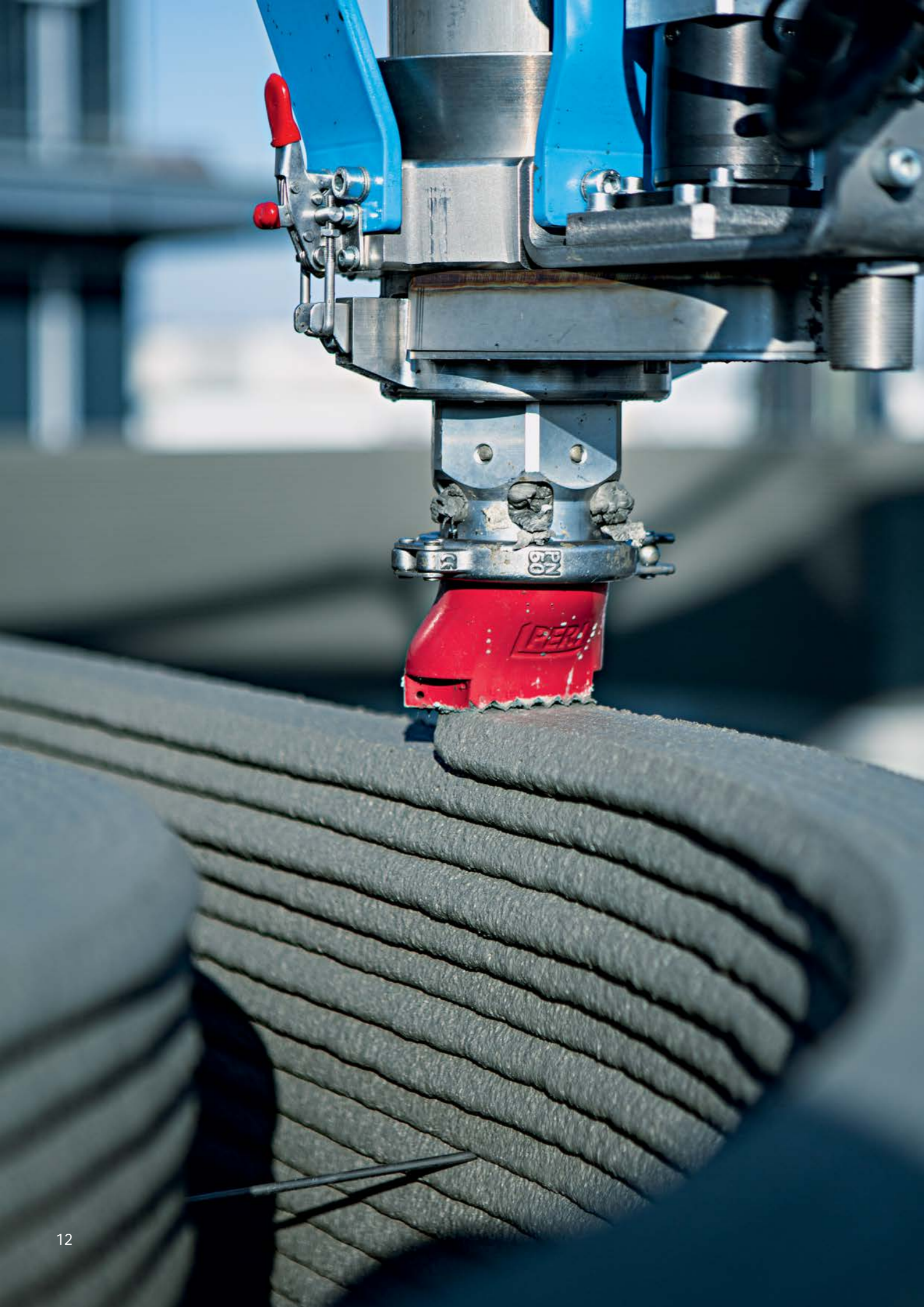


## Housing



## Infrastructure





# OUR RANGE



Holcim has developed a full range of Mortar Ink suitable for 3D construction printing to meet our customers' most challenging needs:

**One-component materials:**  
after mixing with water,  
the mix is directly printable

**Two-component materials:**  
material is mixed twice



Dry mortar directly printable after mixing with water for easy use and high production robustness



Dry mortar and complementary additives with secondary mixing in print head for material adjustments on the fly

Our inks focus on **production robustness**.  
The 2 ranges encompass a **broad range of strengths** (from 15 to 90 MPa),  
**scales** (from micro-mortar to concrete)

# OUR REFERENCES

## | STRIATUS: THE FIRST-OF-ITS-KIND 3D CONCRETE PRINTED BRIDGE

Striatus is a first of its kind 3D concrete printed bridge that stands solely through compression without reinforcement, using concrete at its best with minimal material use for maximum strength.



## | RECORD HIGH WIND TURBINES

Ge renewable energy, Cobod and Holcim develop record breaking 3D concrete printed wind turbine towers.





# OUR REFERENCES

## HOLCIM DELIVERS AFRICA'S LARGEST 3D-PRINTED AFFORDABLE HOUSING PROJECT

The Mvule Gardens 52-house complex is scaling up affordable housing in Kenya to help bridge the country's infrastructure gap and deliver affordable, climate-friendly homes at scale. The complex is being printed in phases of 10-15 houses and tests new innovations with each phase.



## MALAWIAN CHILDREN START IN A SCHOOL BUILT BY 14TREES' 3D PRINTER

The school is built by 14Trees, a joint venture with Holcim and CDC, the UK's development finance arm, to accelerate the provision of affordable housing and schools in Africa.



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