3D PRINTING AND DESIGNING WITH WASTE
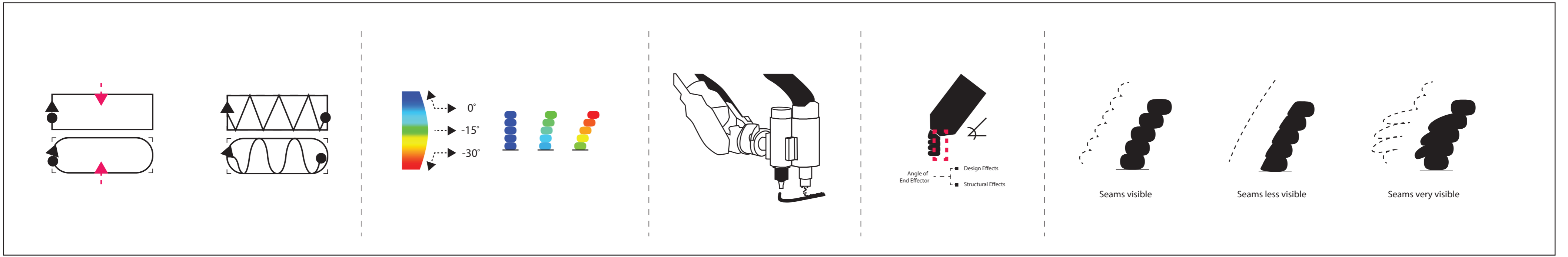## TECHNICAL OUTLOOK

Seams visible

Seams less visible

Seams very visible

fBRA (0-4mm)
Crushed brick

M1
M2

fCRA (2-4mm)
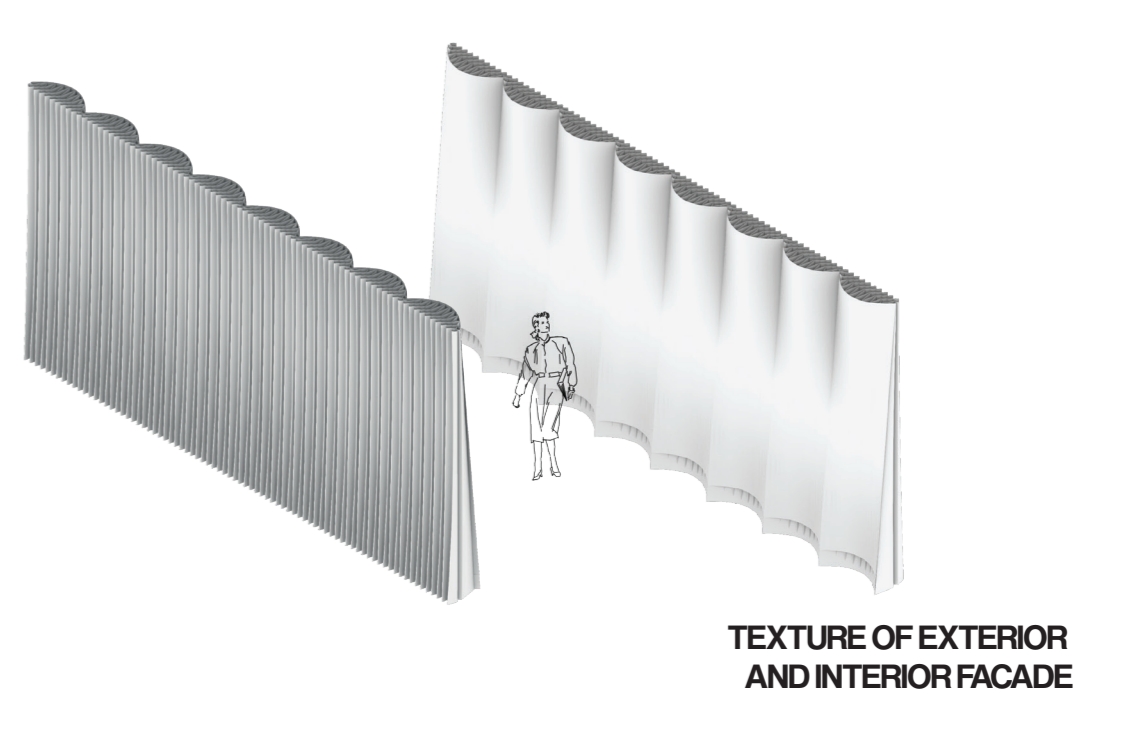Crushed concrete

M1
M2

CEM III
Portland Cement

M1
M2

CM Cement
Inactive cement from waste concrete

M1
I

M1 Sustainable Mix
M2 Load Bearing Mix

Final Mixes

M1 -CO2 10.13 Mpa
M2 -CO2 34.25 Mpa

VENTILATION AND INSULATION

Standard
Robot - worker collaboration

Vertical
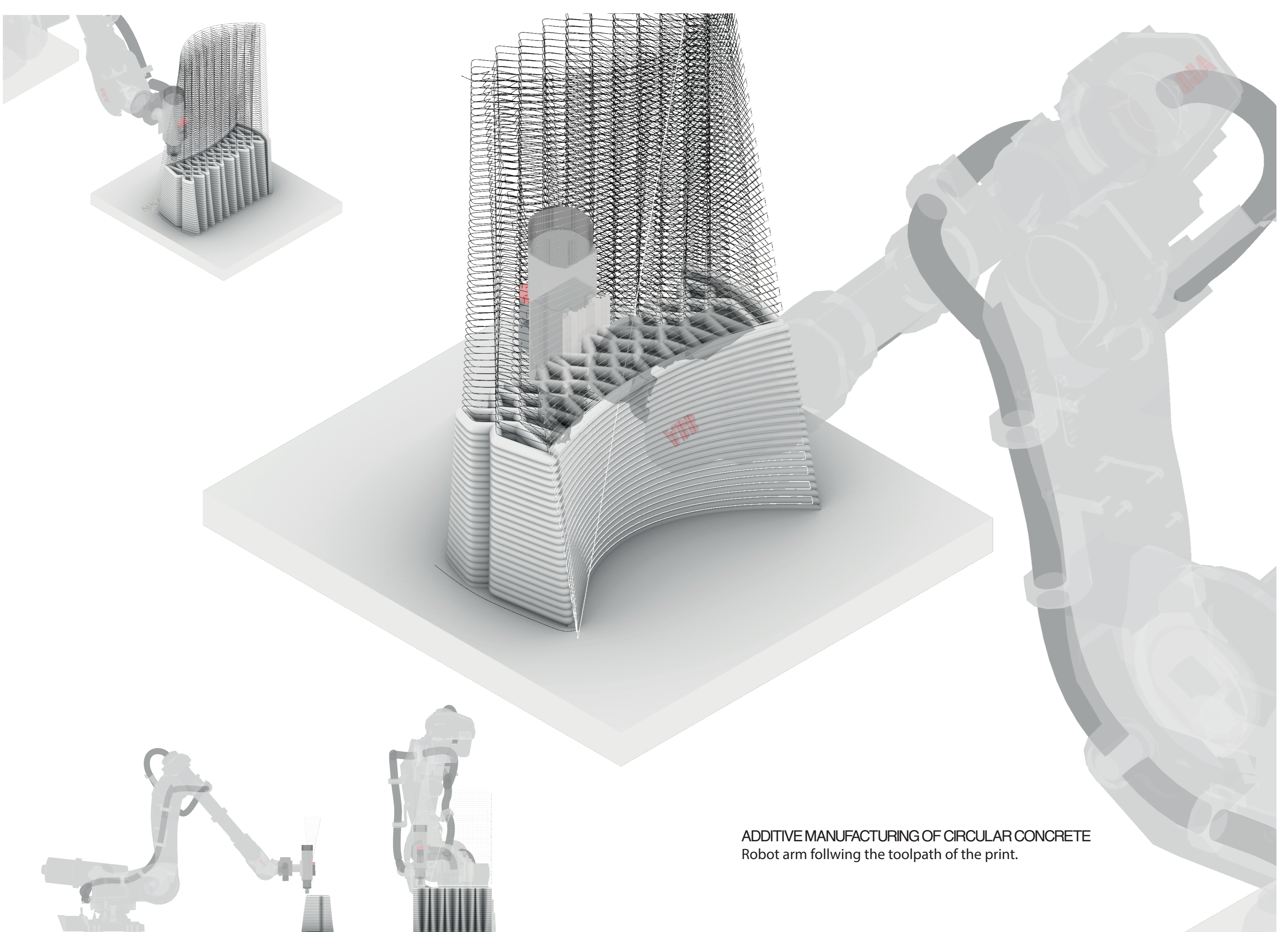Robot - robot collaboration

Horizontal
Robot - robot collaboration
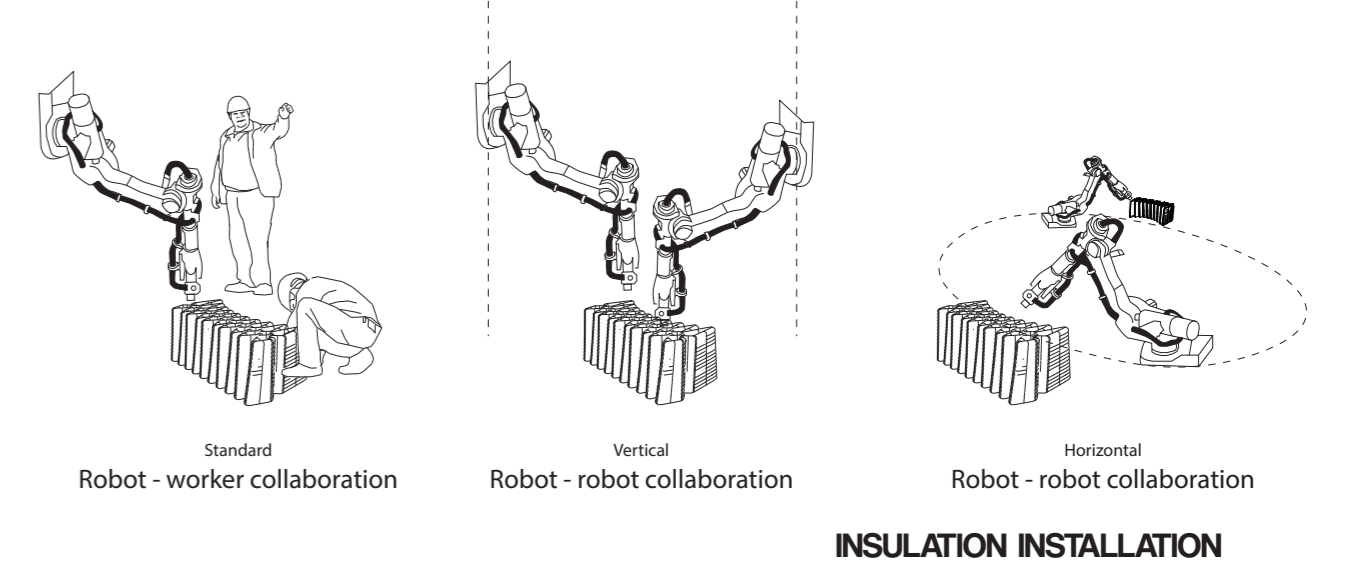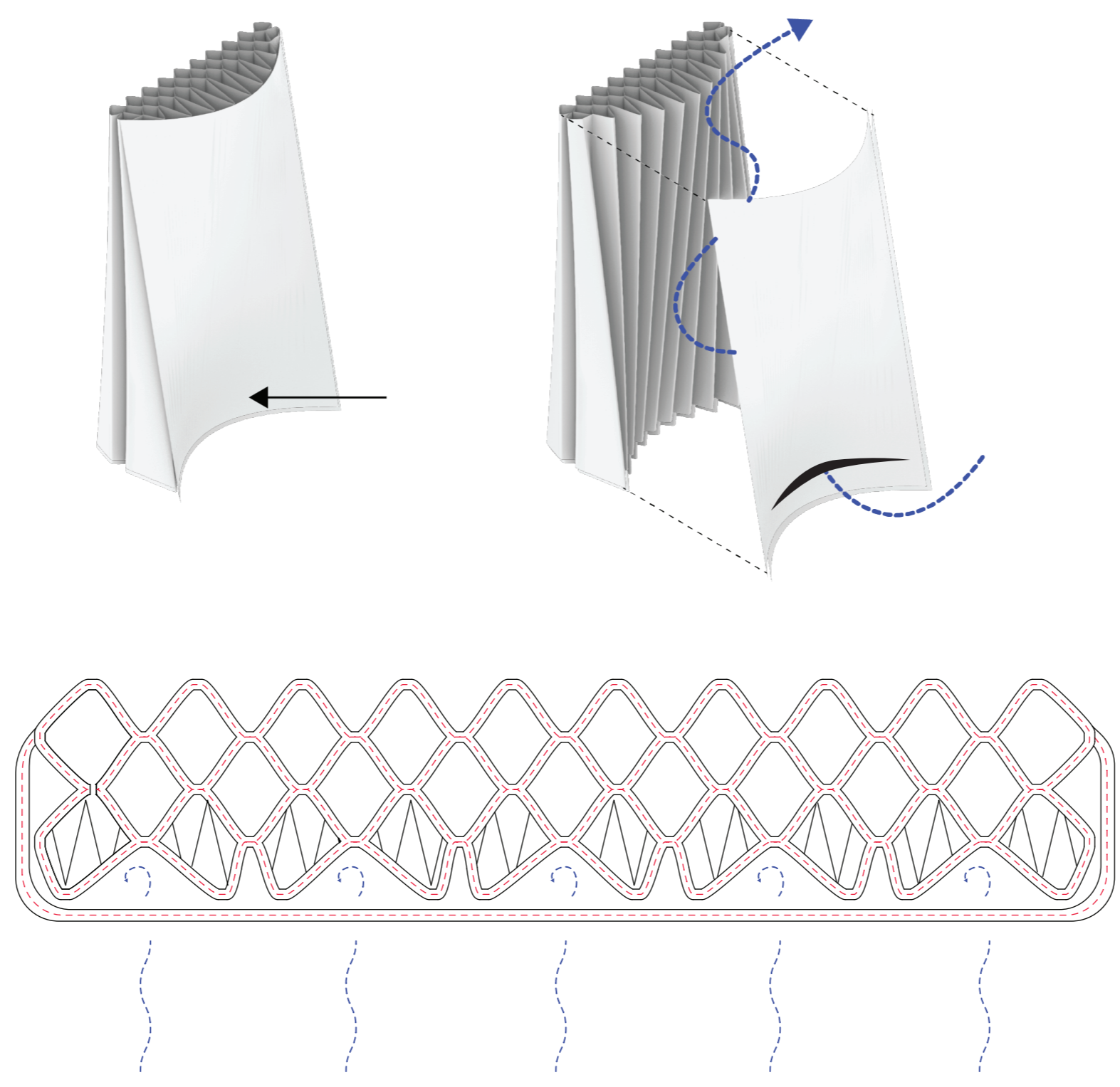
INSULATION INSTALLATION

TEXTURE OF EXTERIOR AND INTERIOR FACADE

ADDITIVE MANUFACTURING OF CIRCULAR CONCRETE
Robot arm follwing the toolpath of the print.

RIGHT ELEVATION OF PROCESS

FRONT ELEVATION OF PROCESS