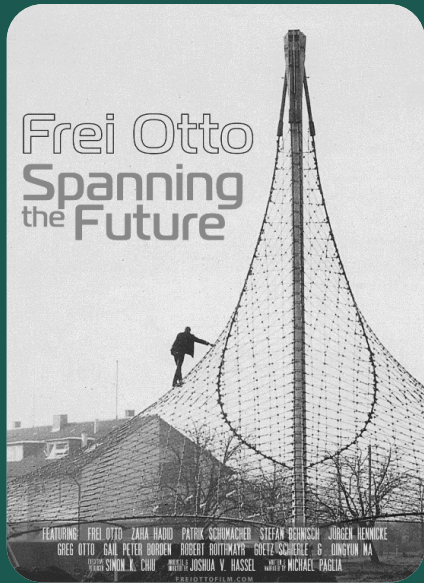
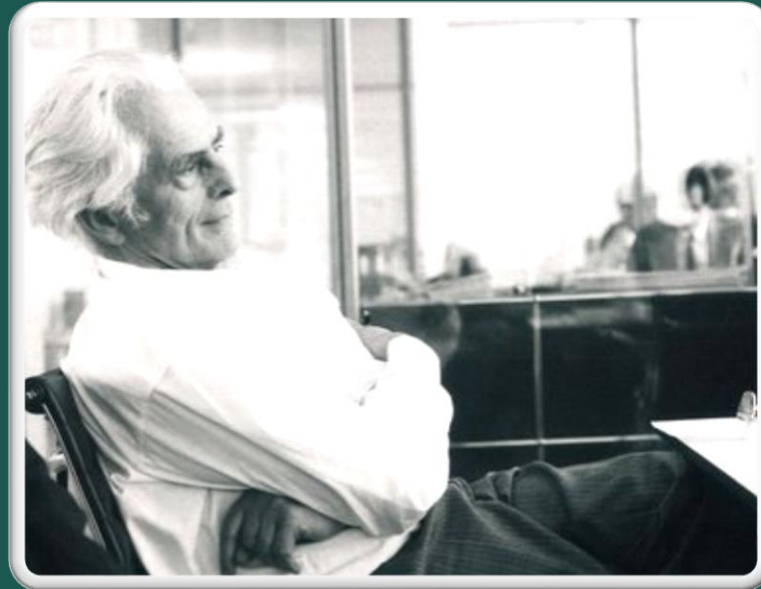


Robert Roithmayr
Lightweight Footprint : Membrane Design



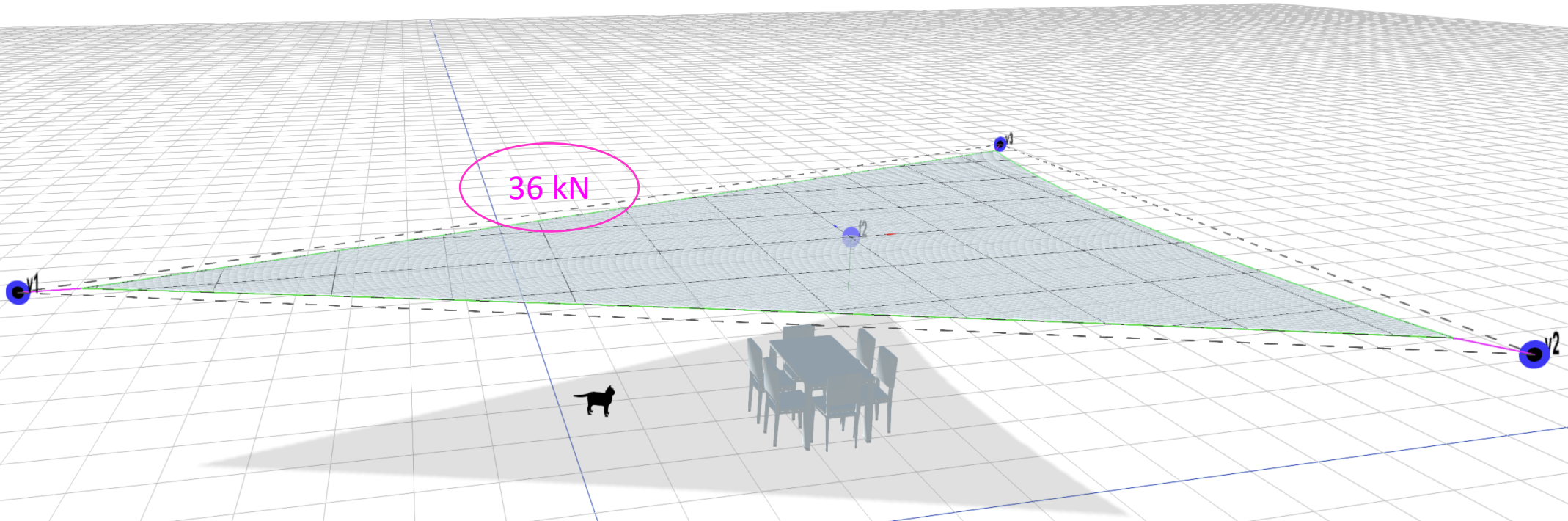


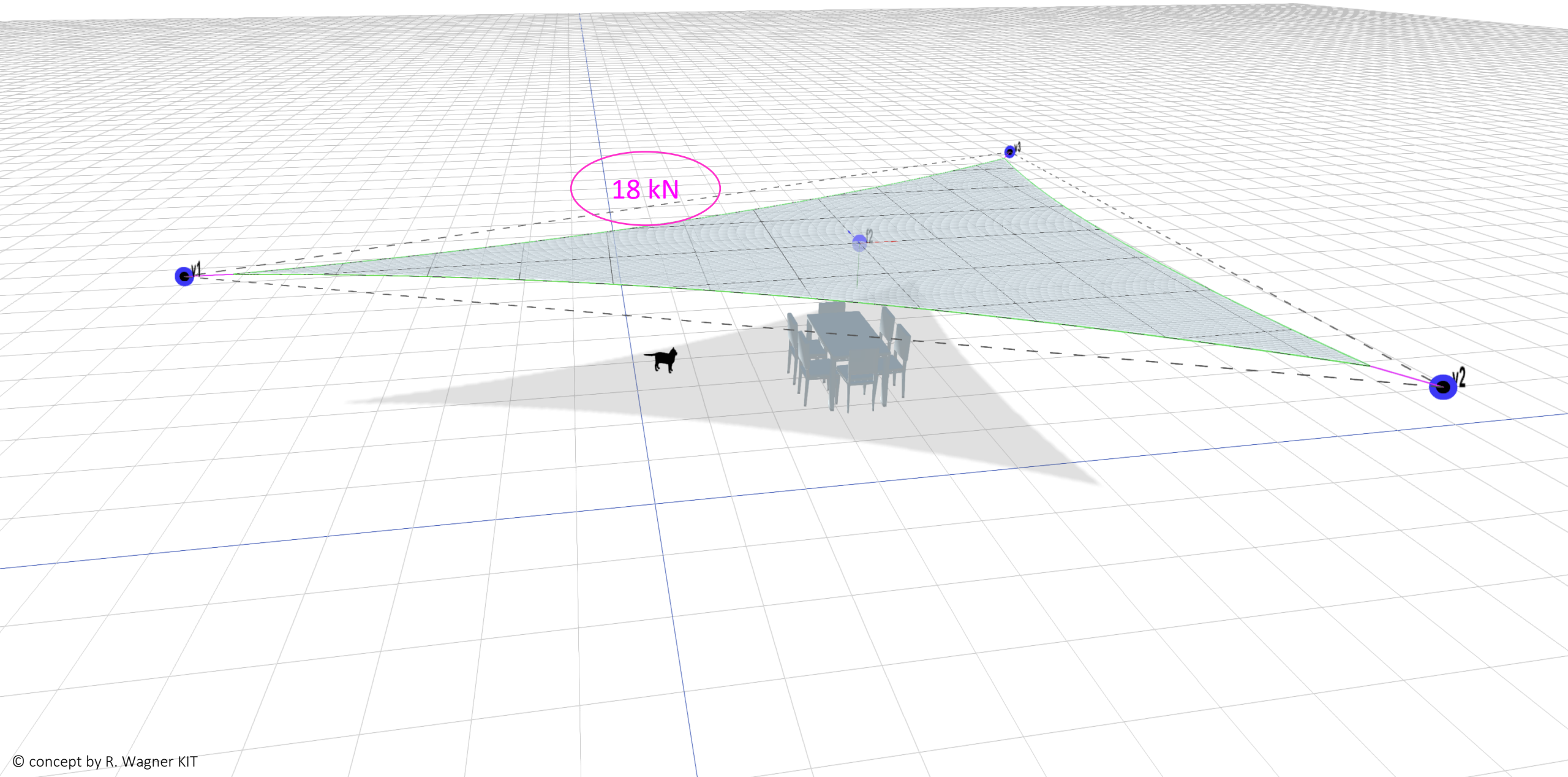
Simon K. Chiu

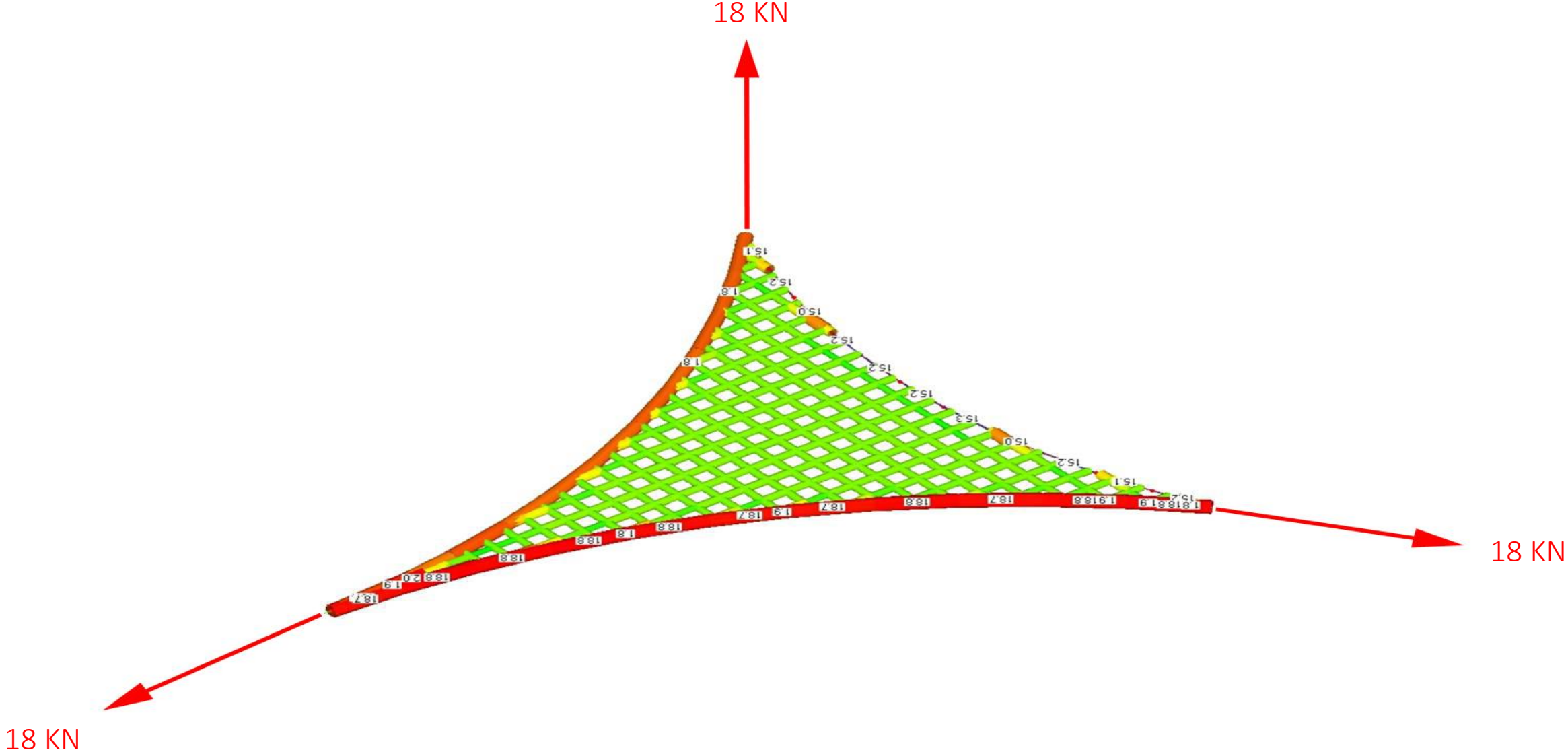


FREI OTTO

YOU HAVE TO DIG DEEP
TO FLY HIGH



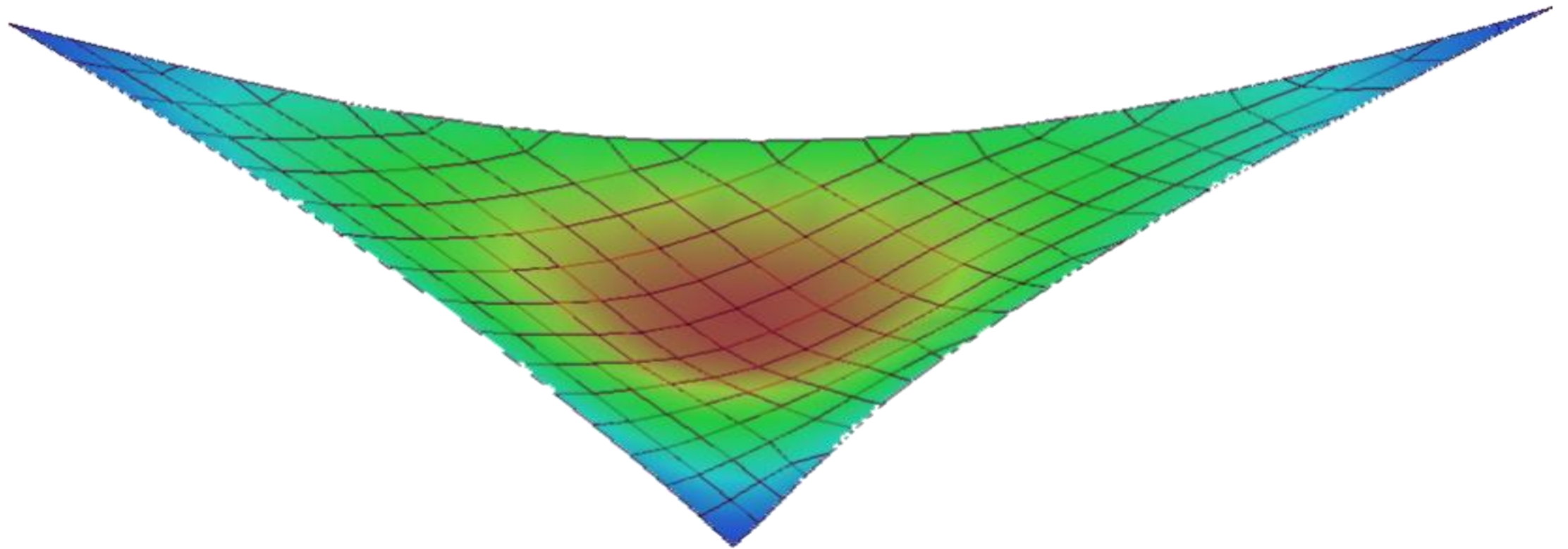




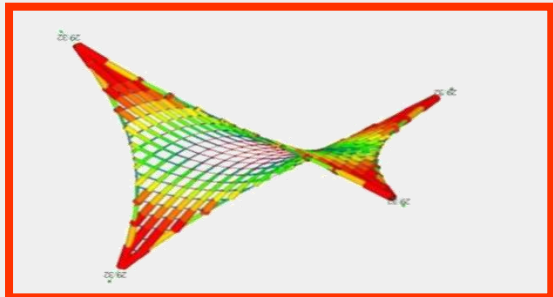
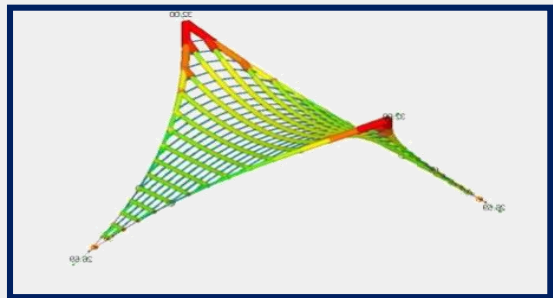
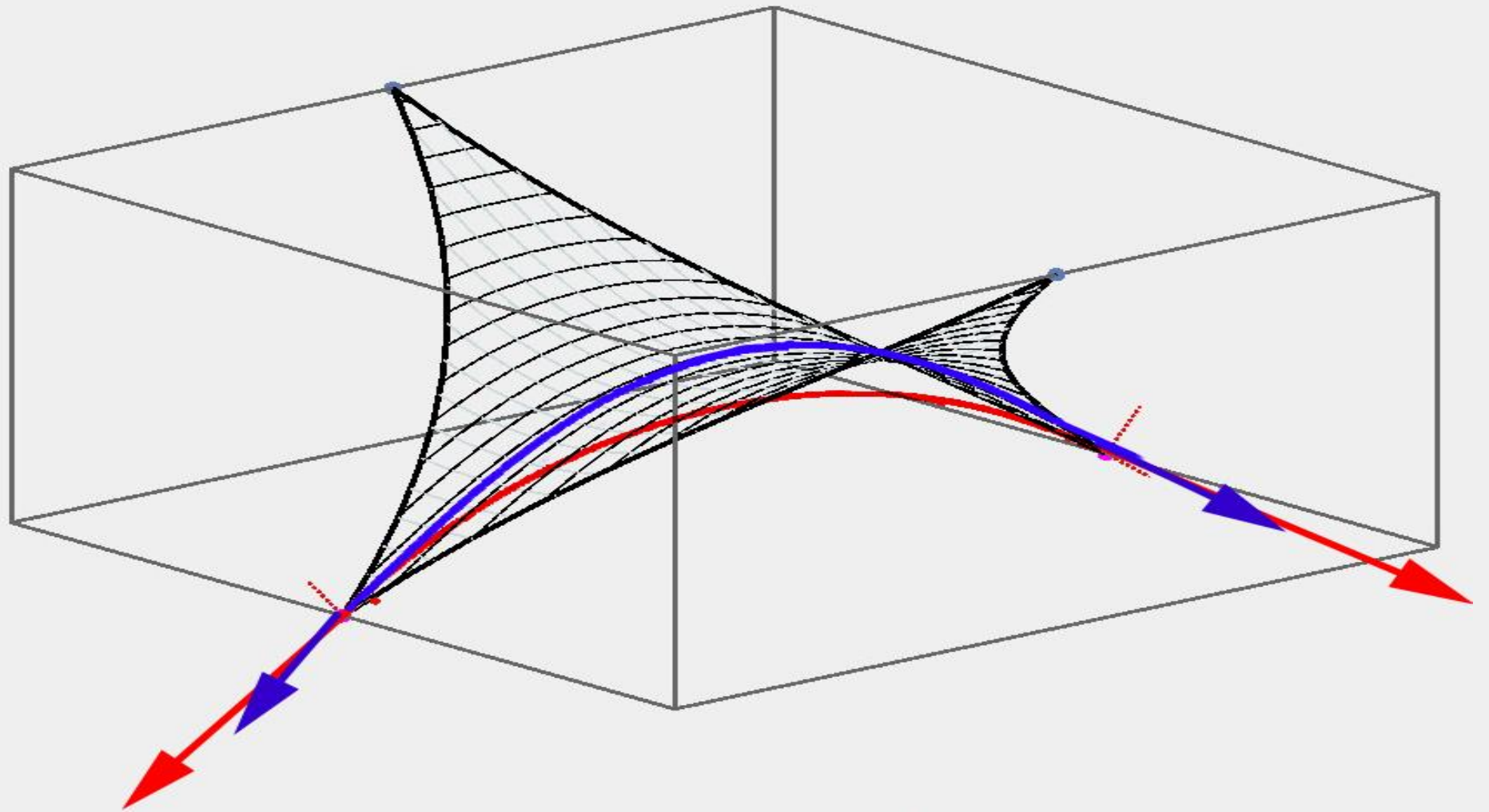
Cable Tension 10 %



sagging > 50 cm

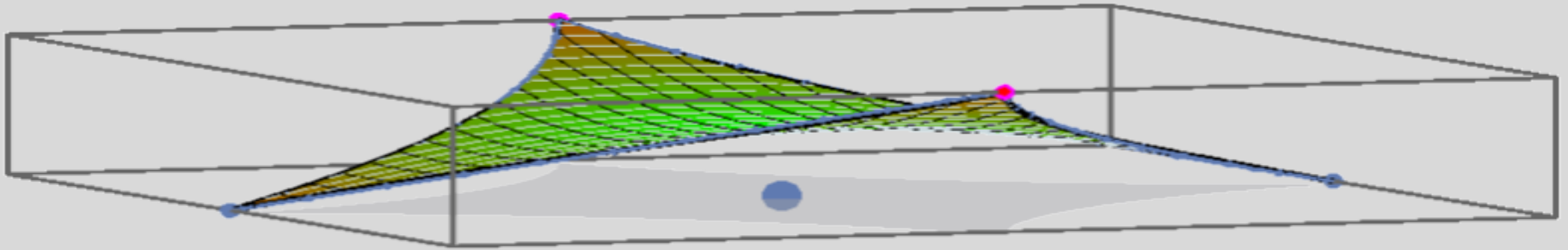


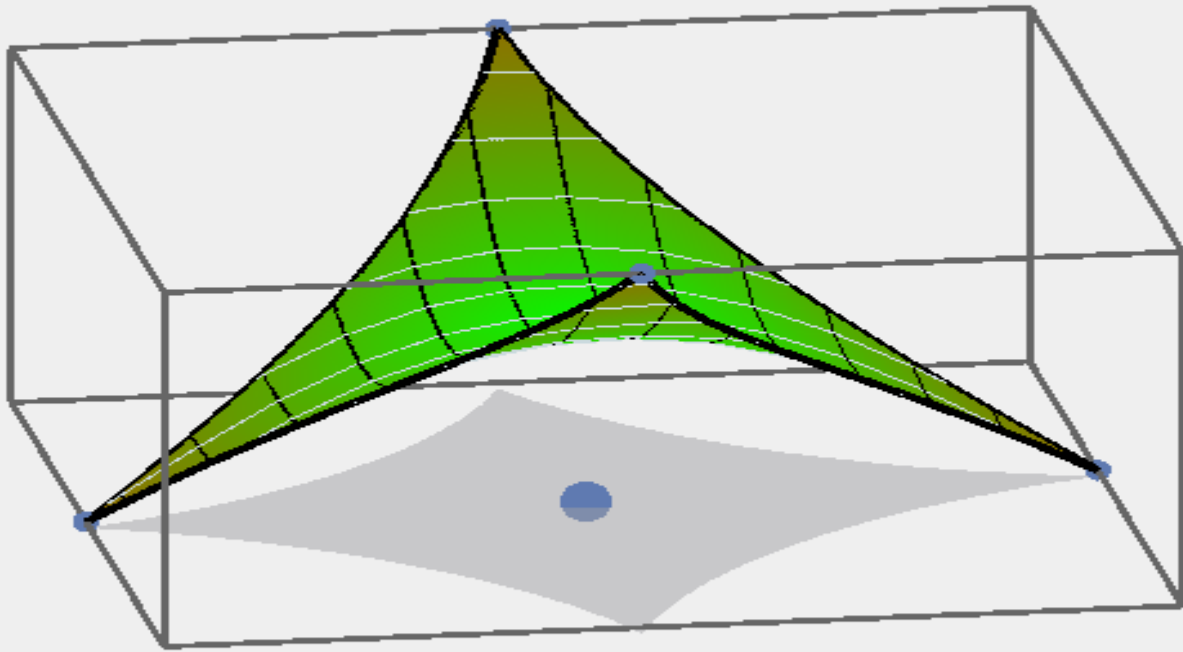
Waterponding



WIND

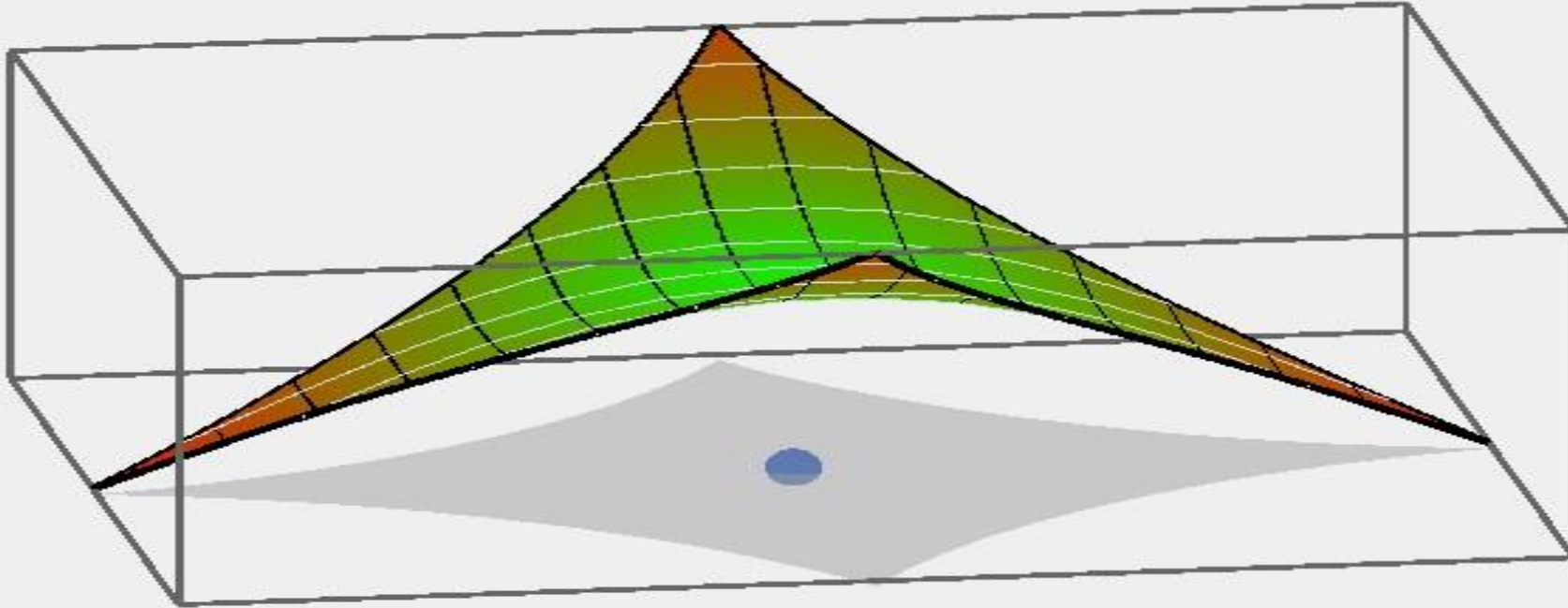
FORCE AND GEOMETRY





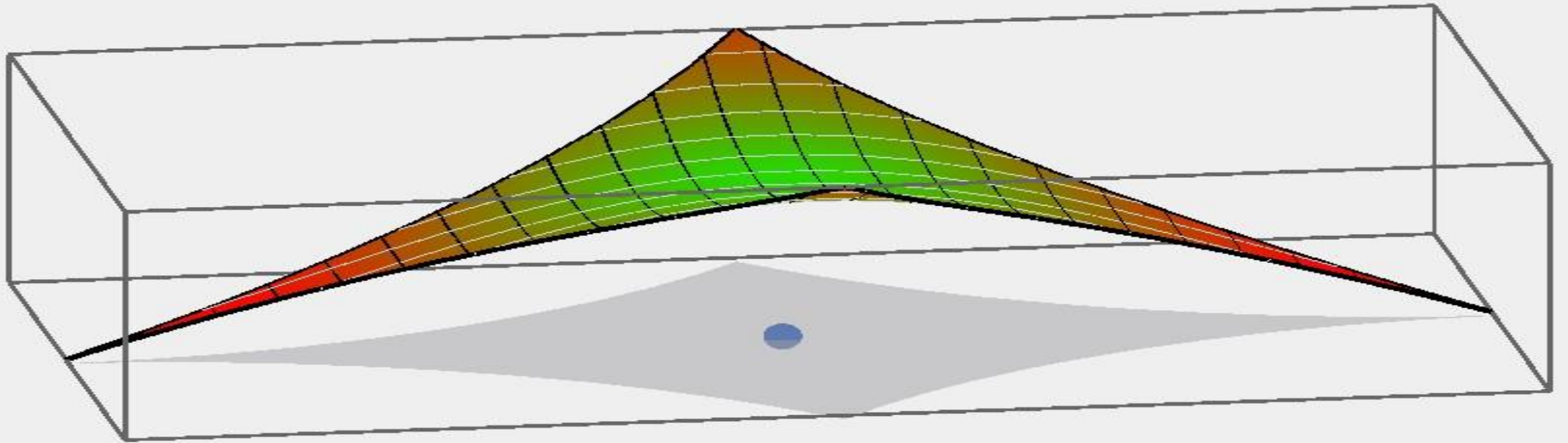
1 : 1

PROPORTION



1 : 2

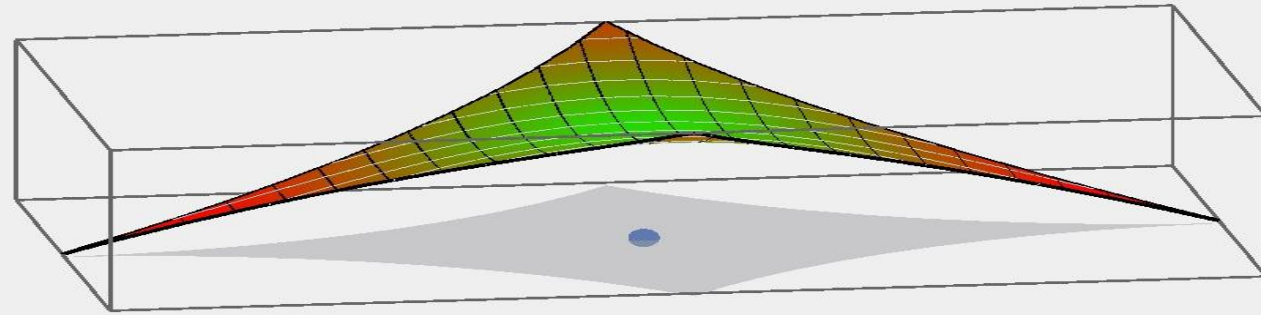
PROPORTION



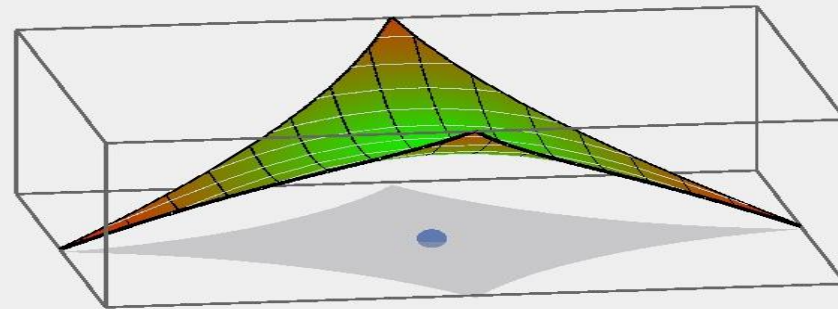
1 : 4

PROPORTION

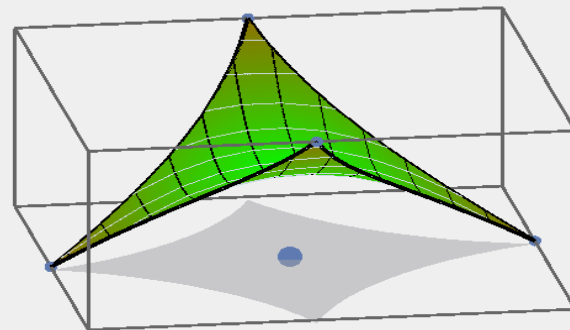
1 : 4



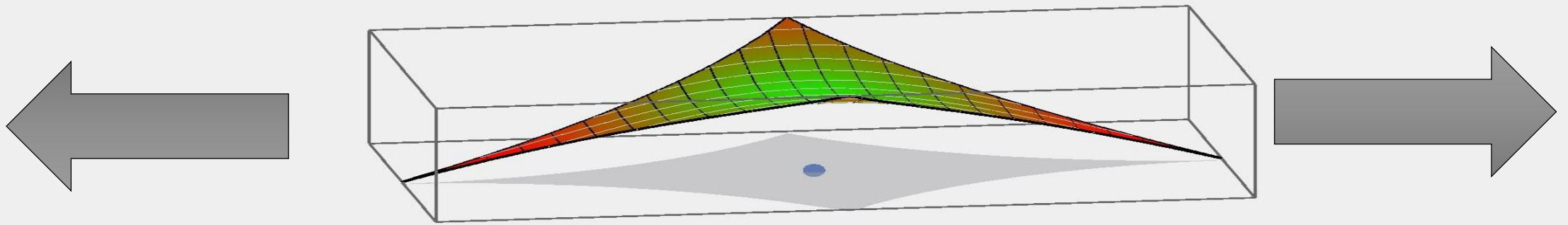
1 : 2



1 : 1



PROPORTION



1 : 4

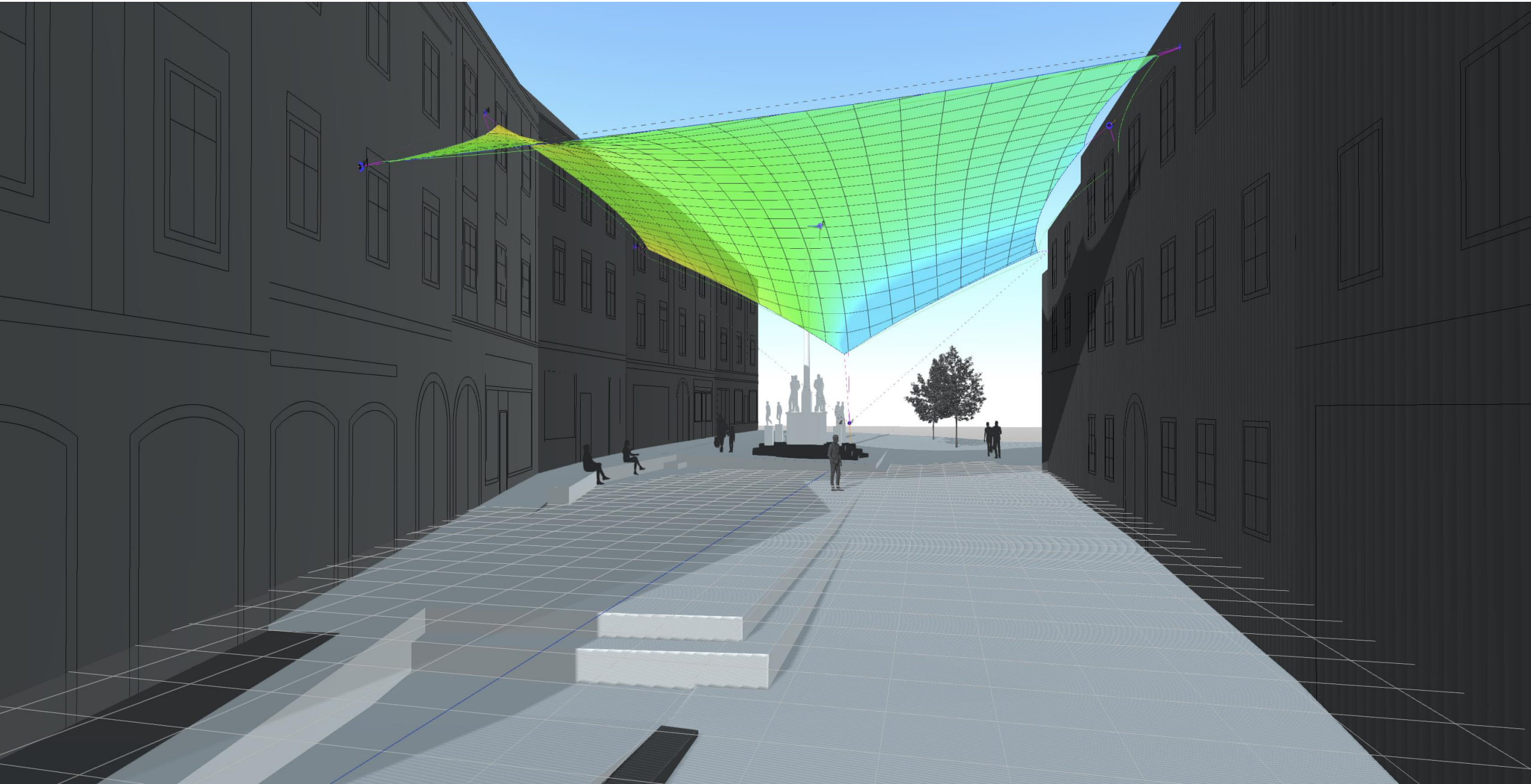
> 1:4 change of "system"

Nature does not scale

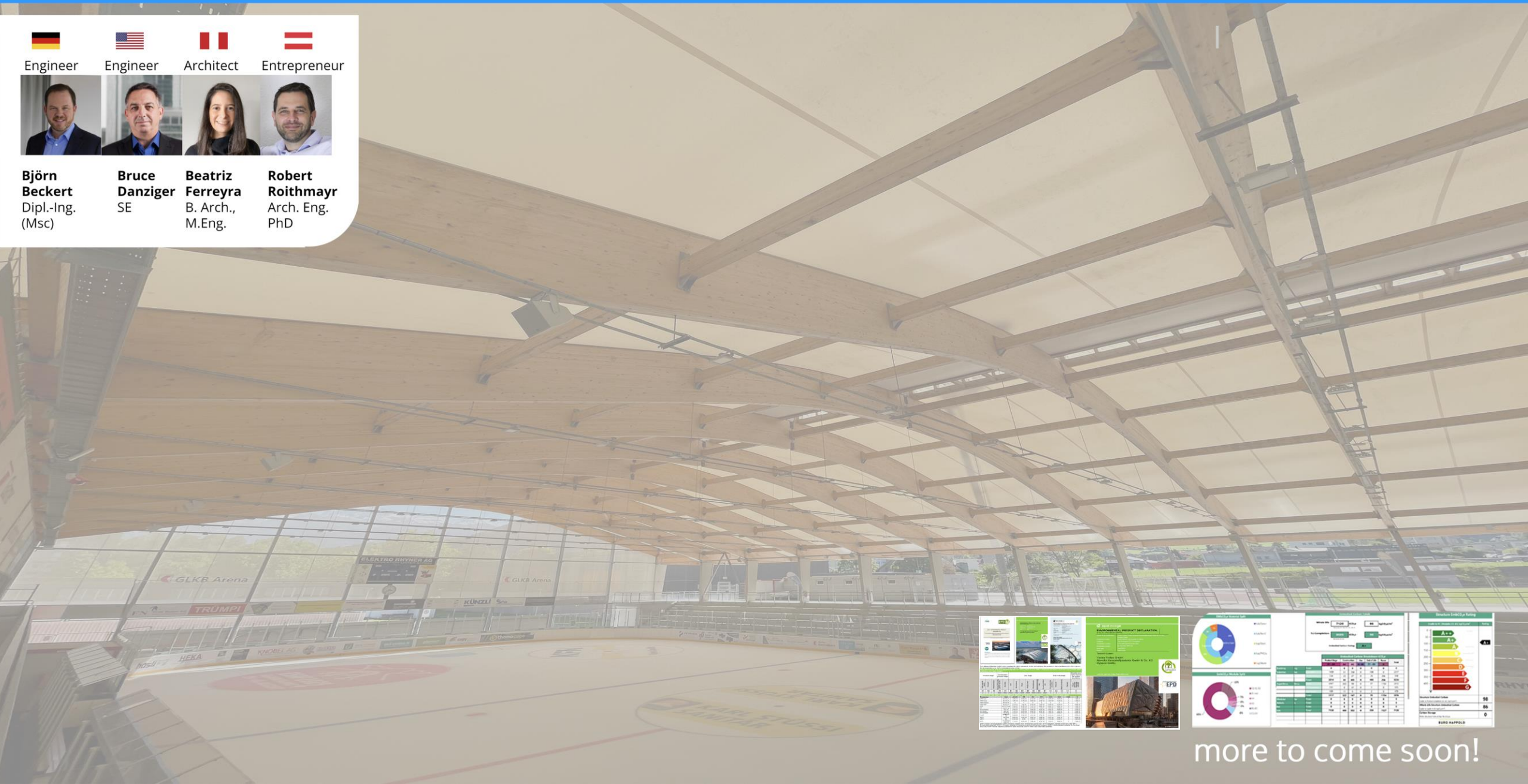
FF 3D SCAN



ONLINE TOOL



			
Engineer	Engineer	Architect	Entrepreneur
			
Björn Beckert Dipl.-Ing. (Msc)	Bruce Danziger SE	Beatriz Ferreyra B. Arch., M.Eng.	Robert Roithmayr Arch. Eng. PhD



more to come soon!

Strategy  finder

GOAL

Why are we doing this?



STRATEGY

What do we want to do?

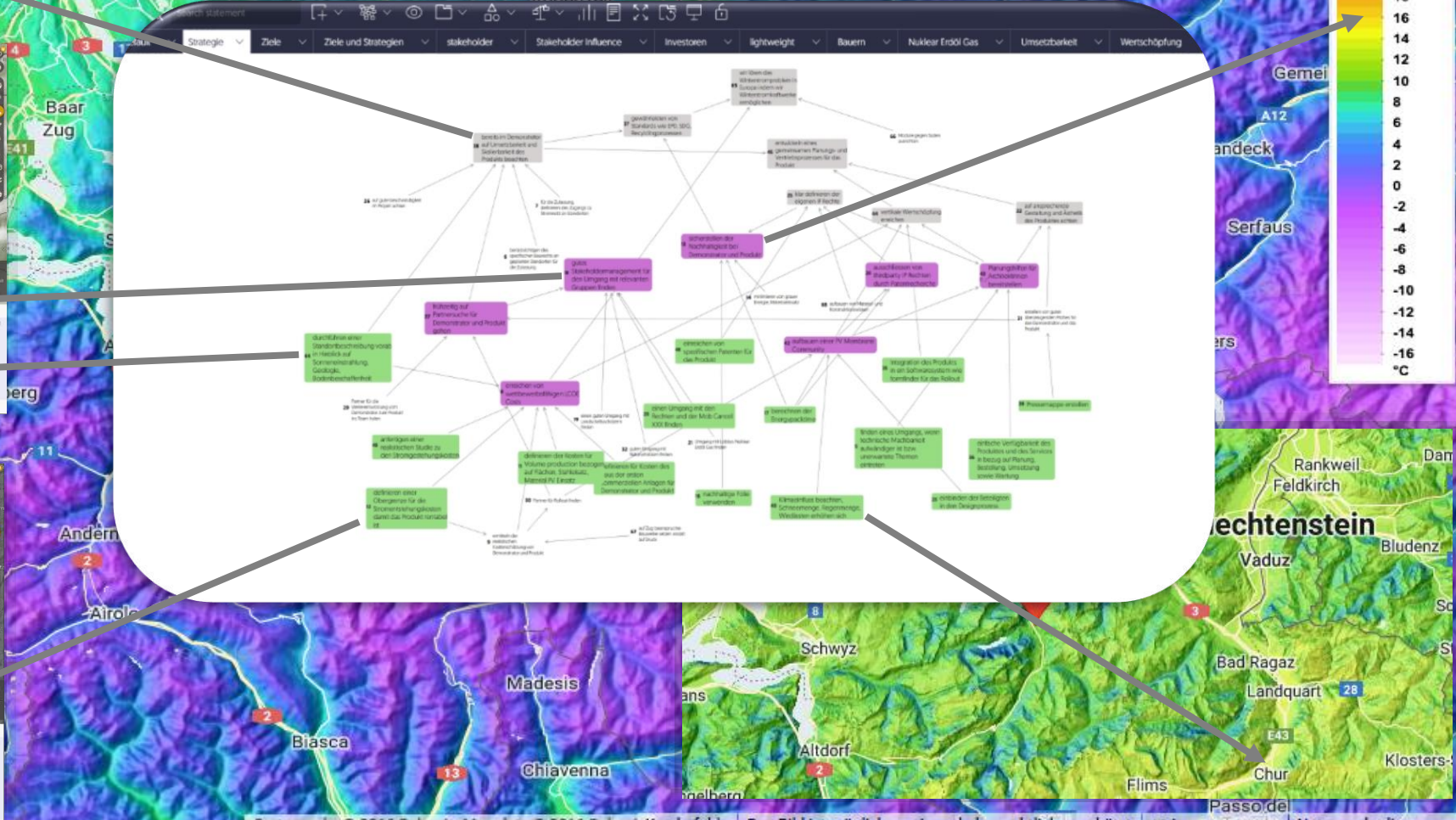
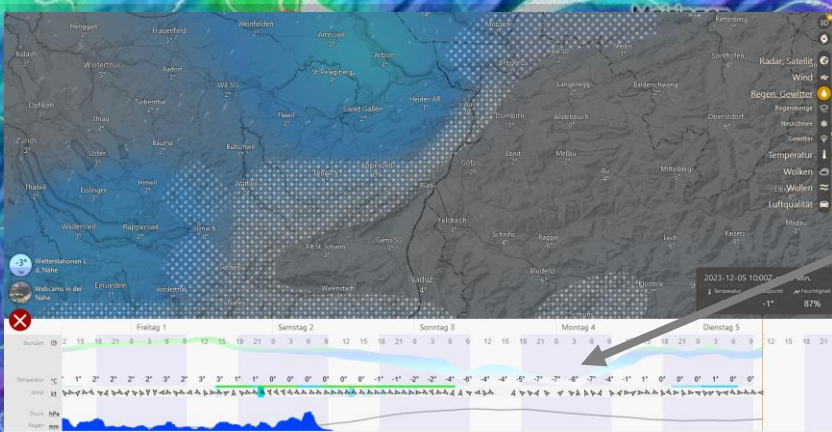
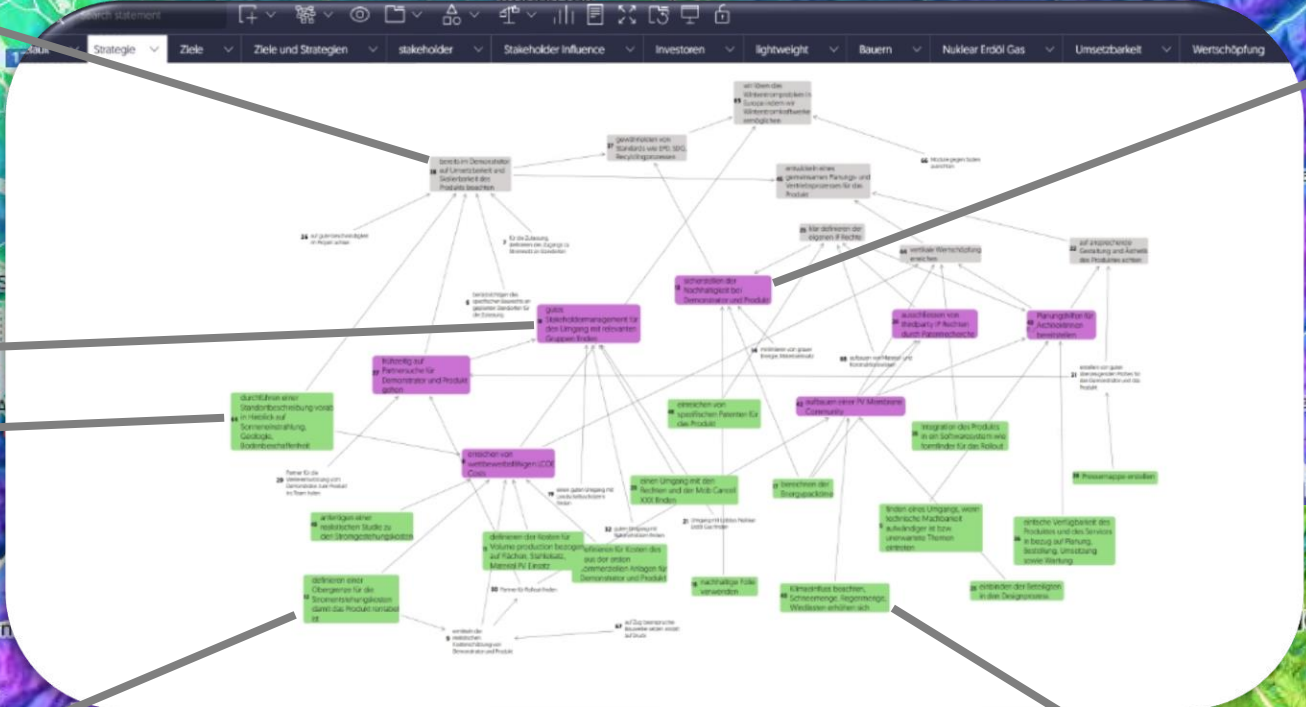
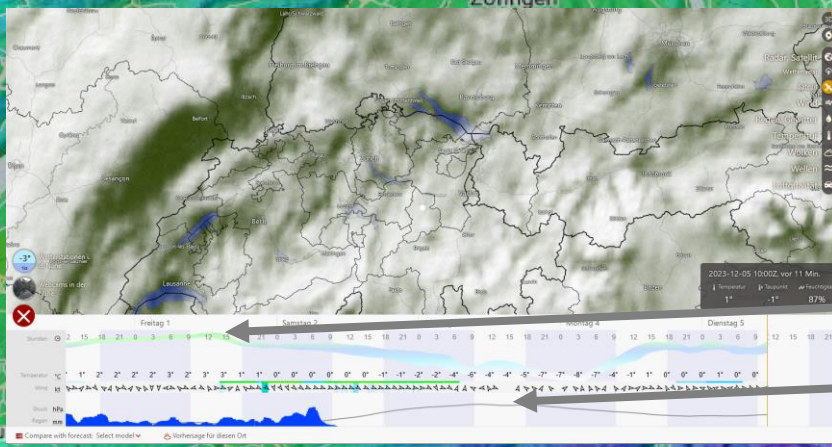
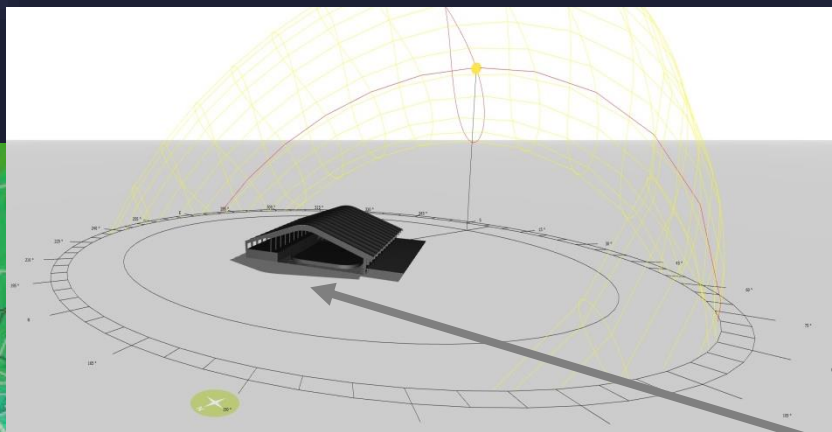


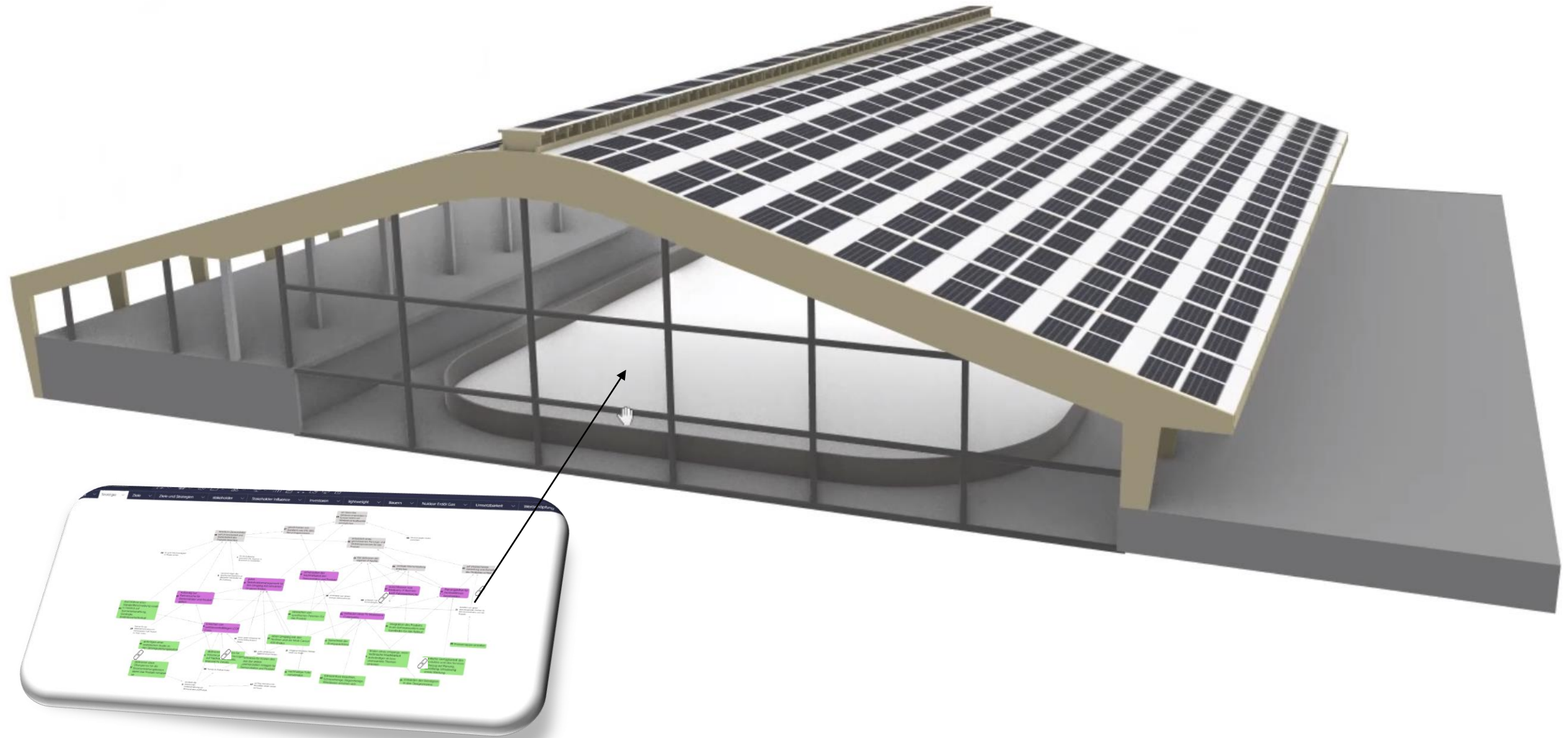
ACTION

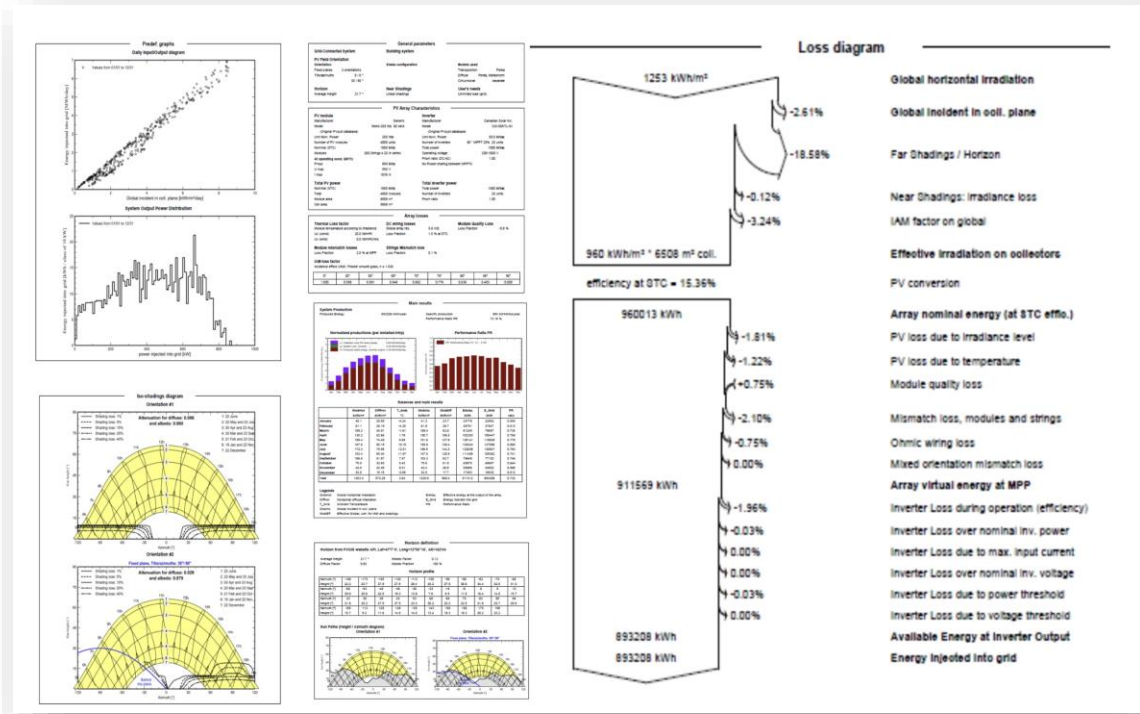
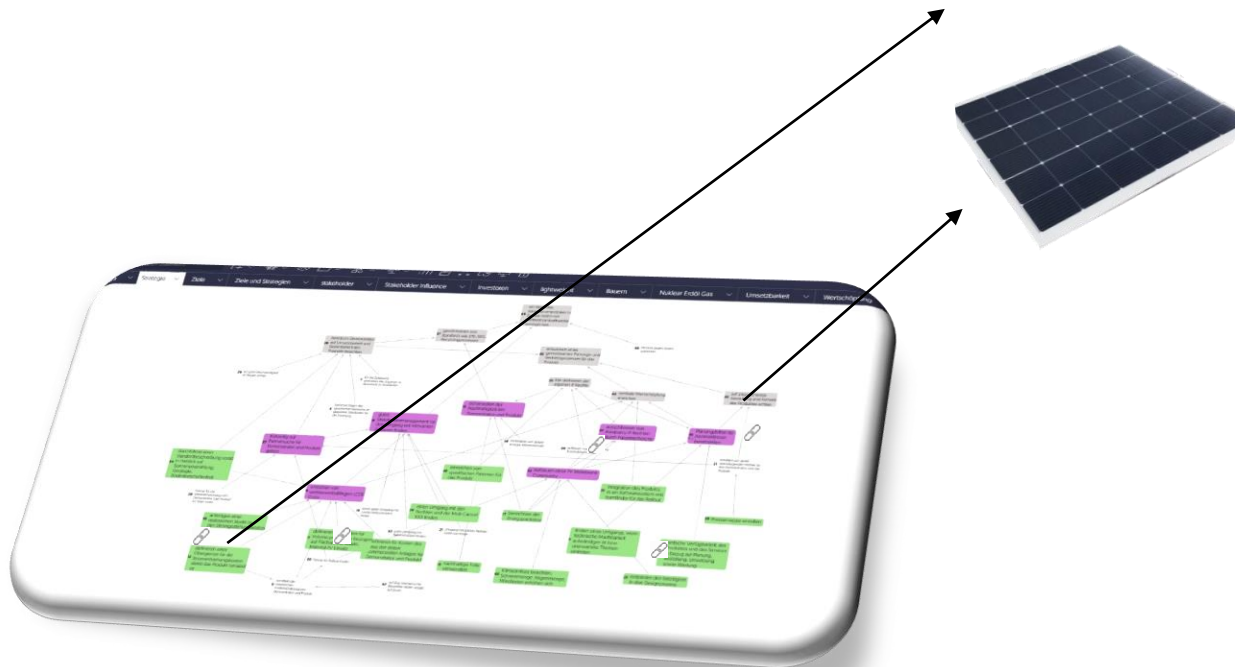
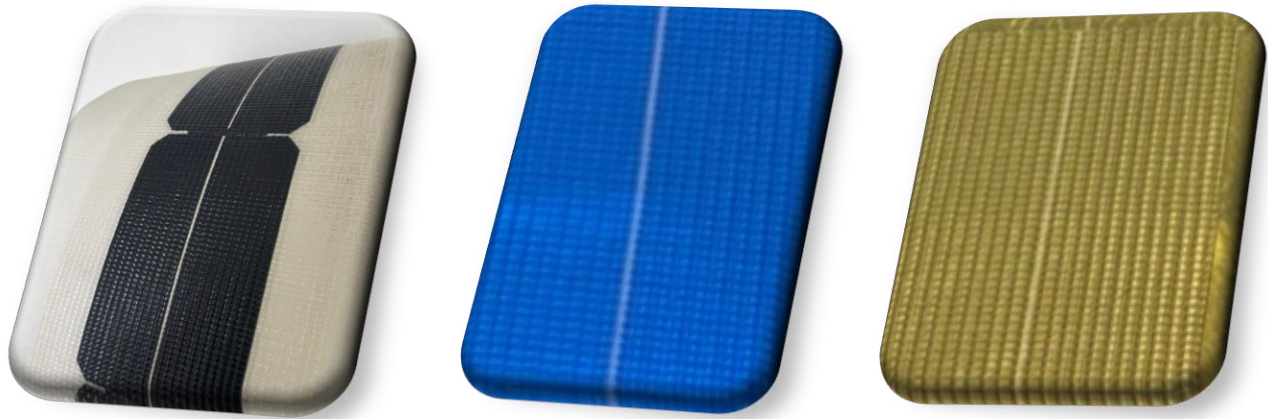
How are we going to do this?

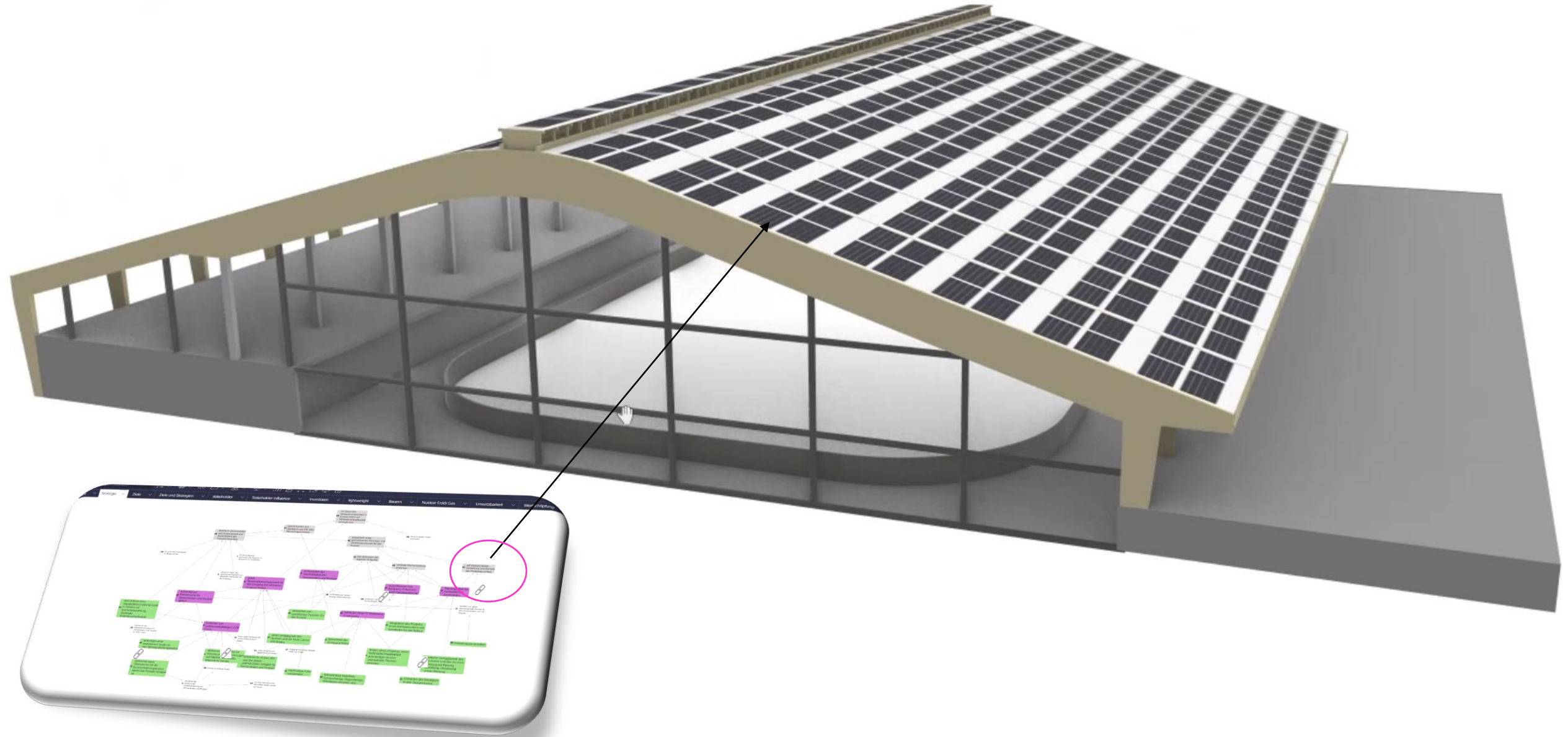


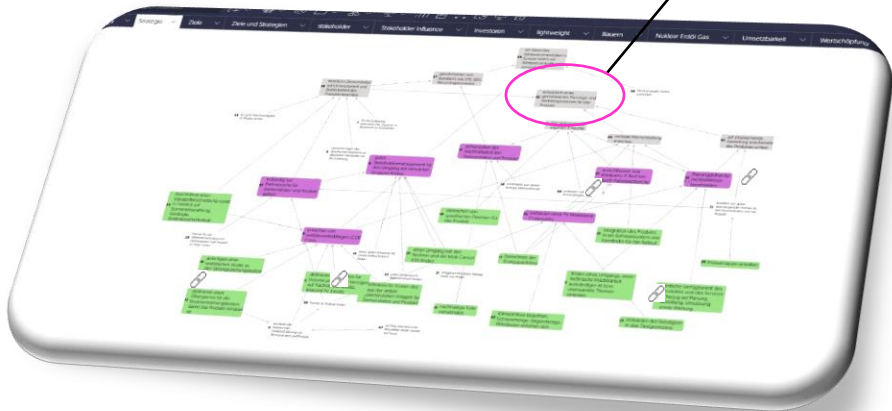
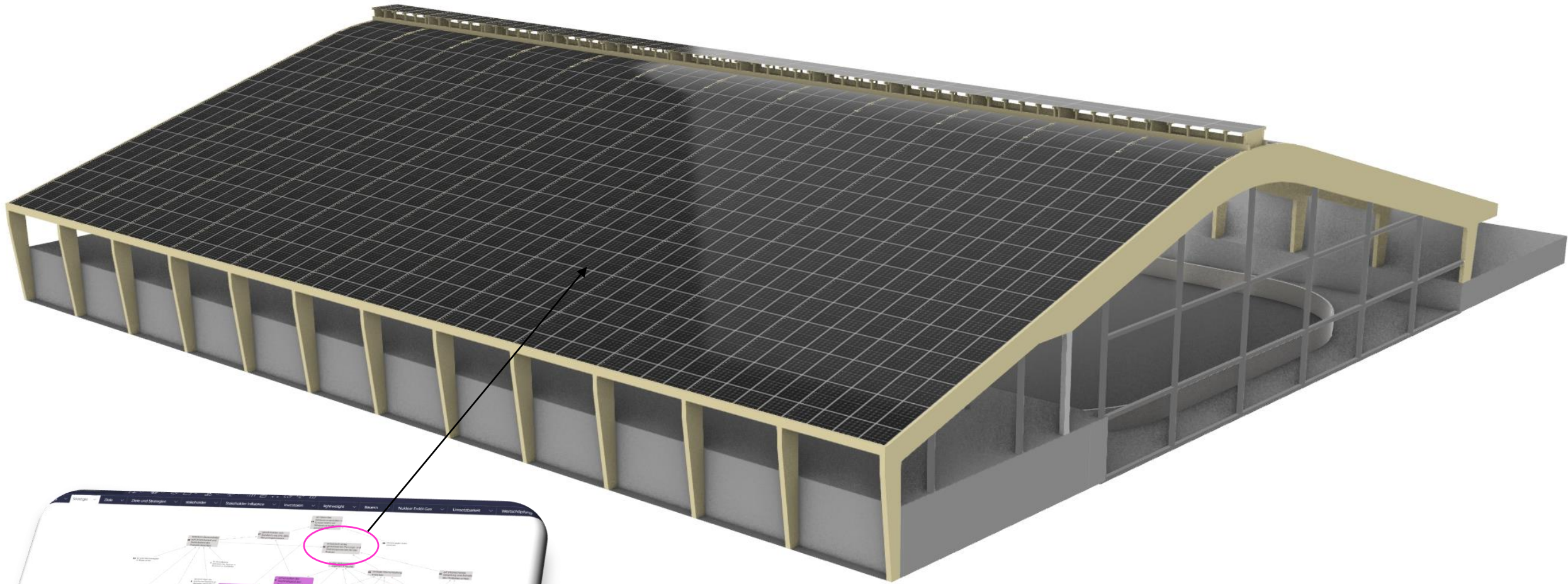
Strategyfinder

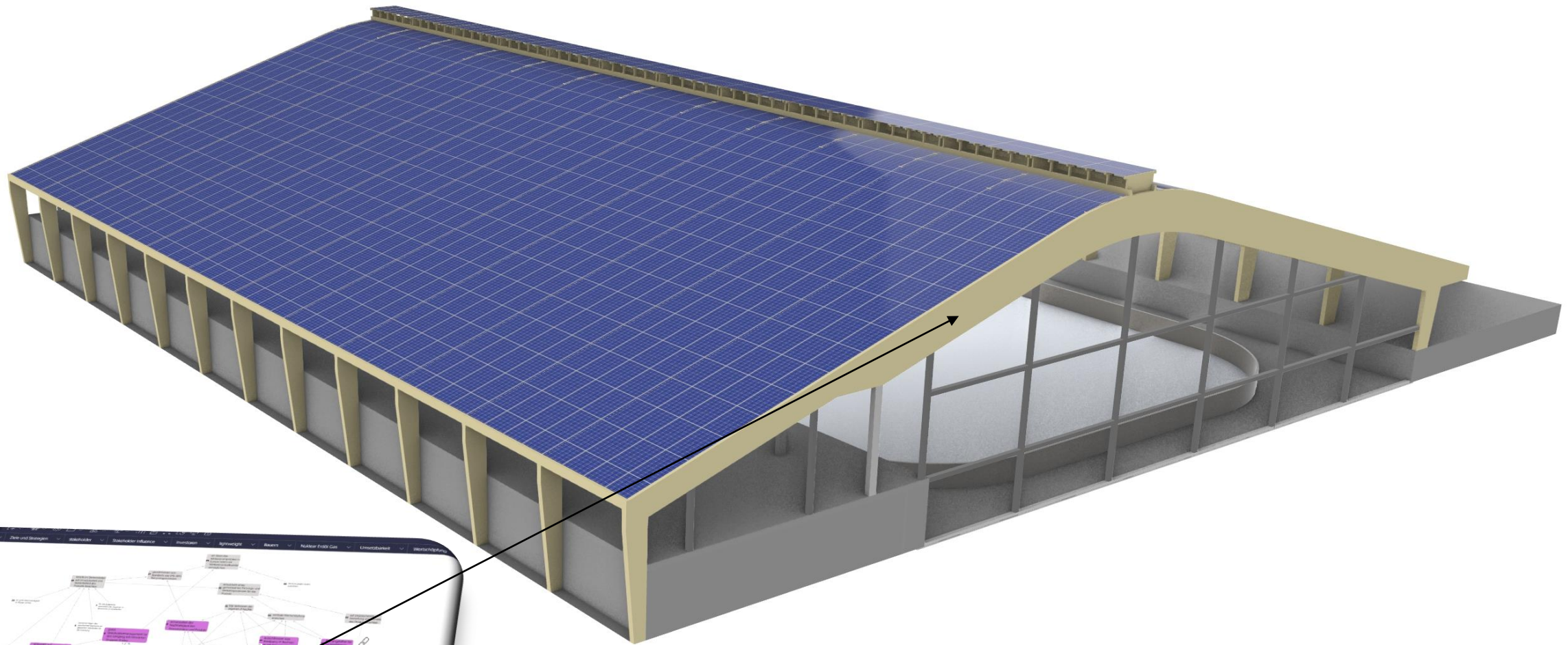


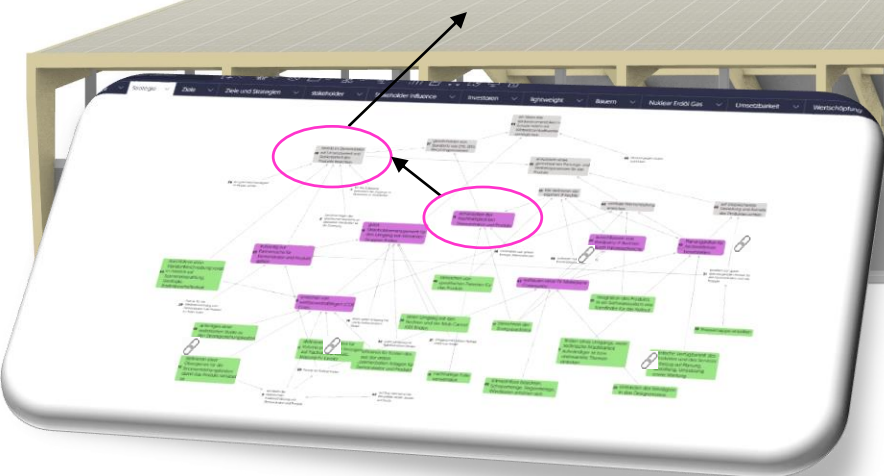
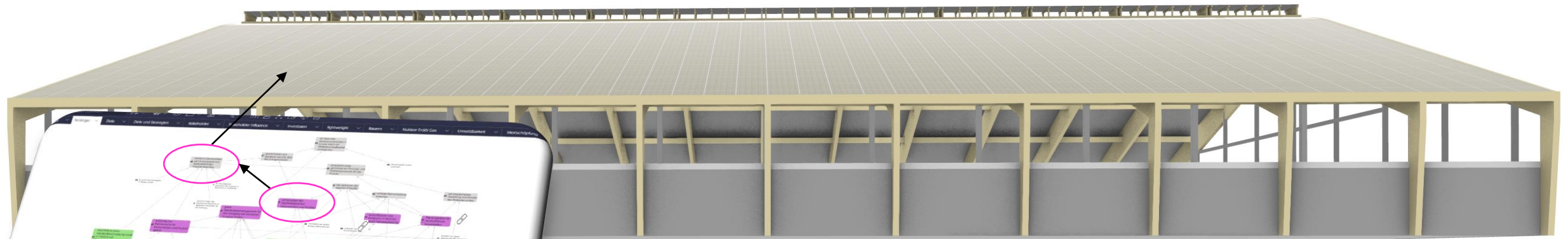
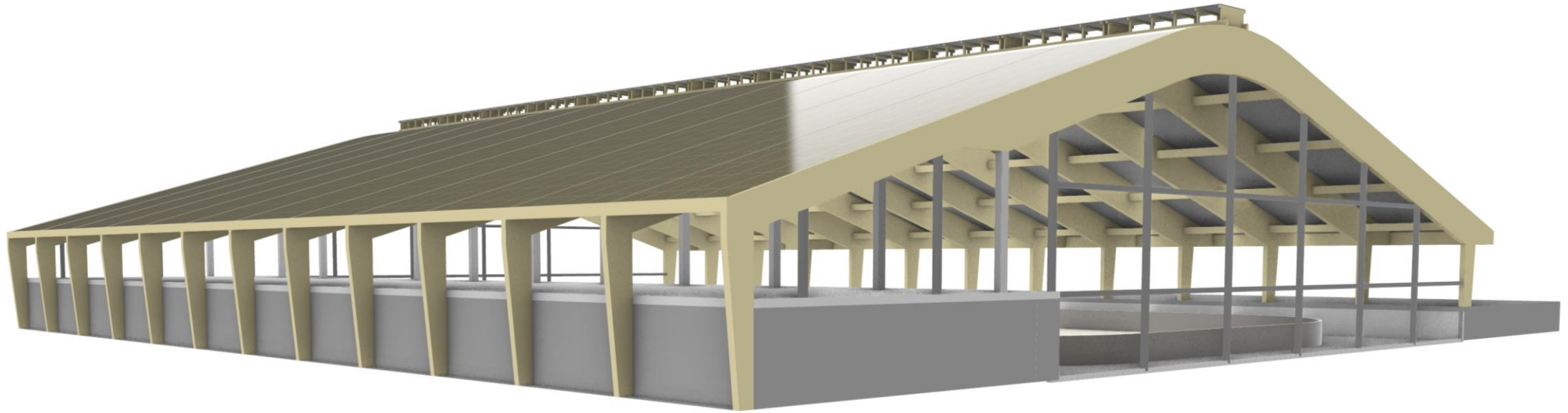


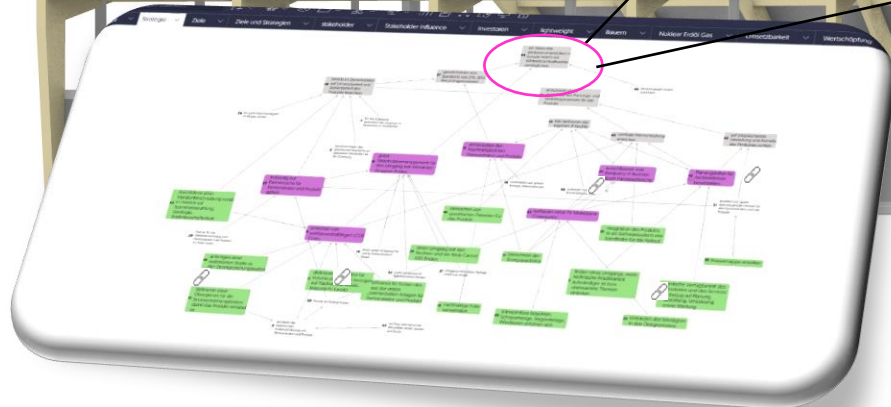
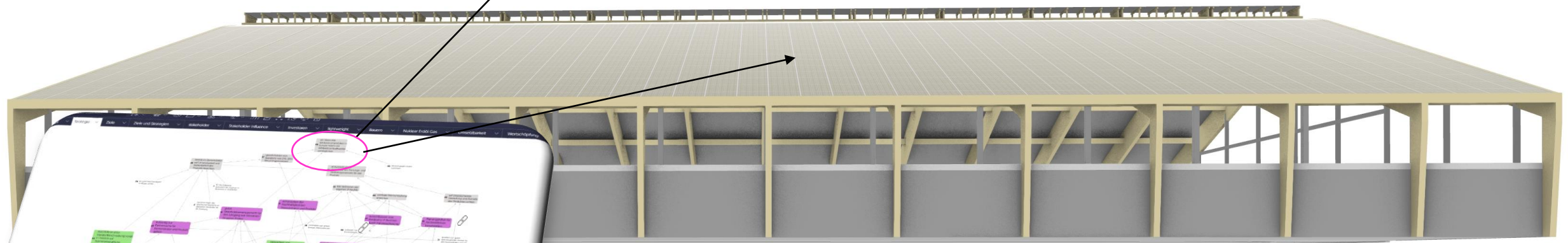
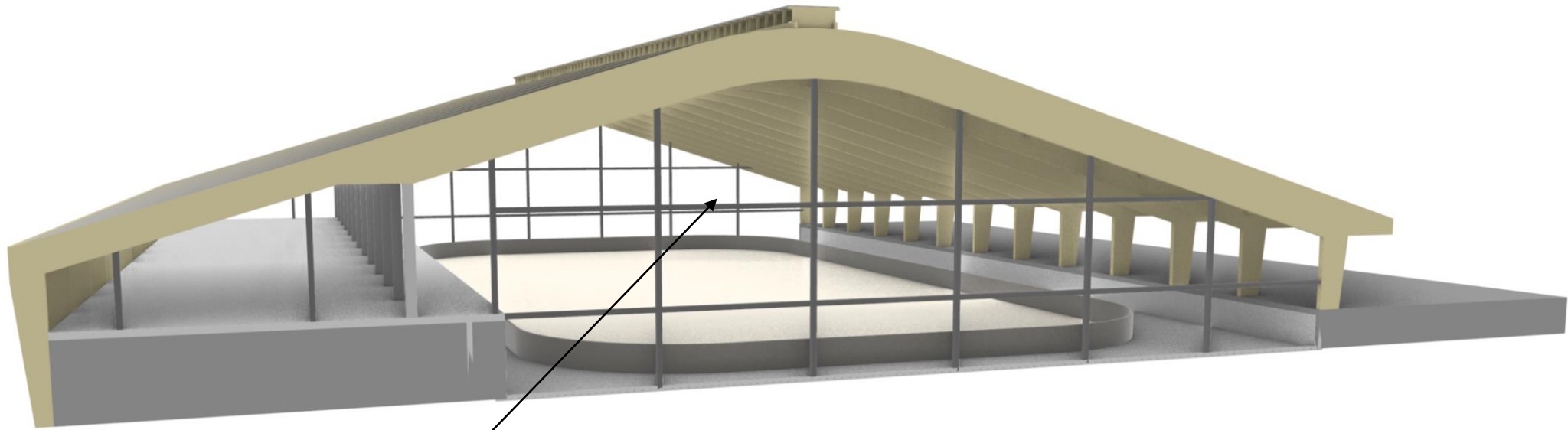












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