

Airplane Factory

Xingjian Li



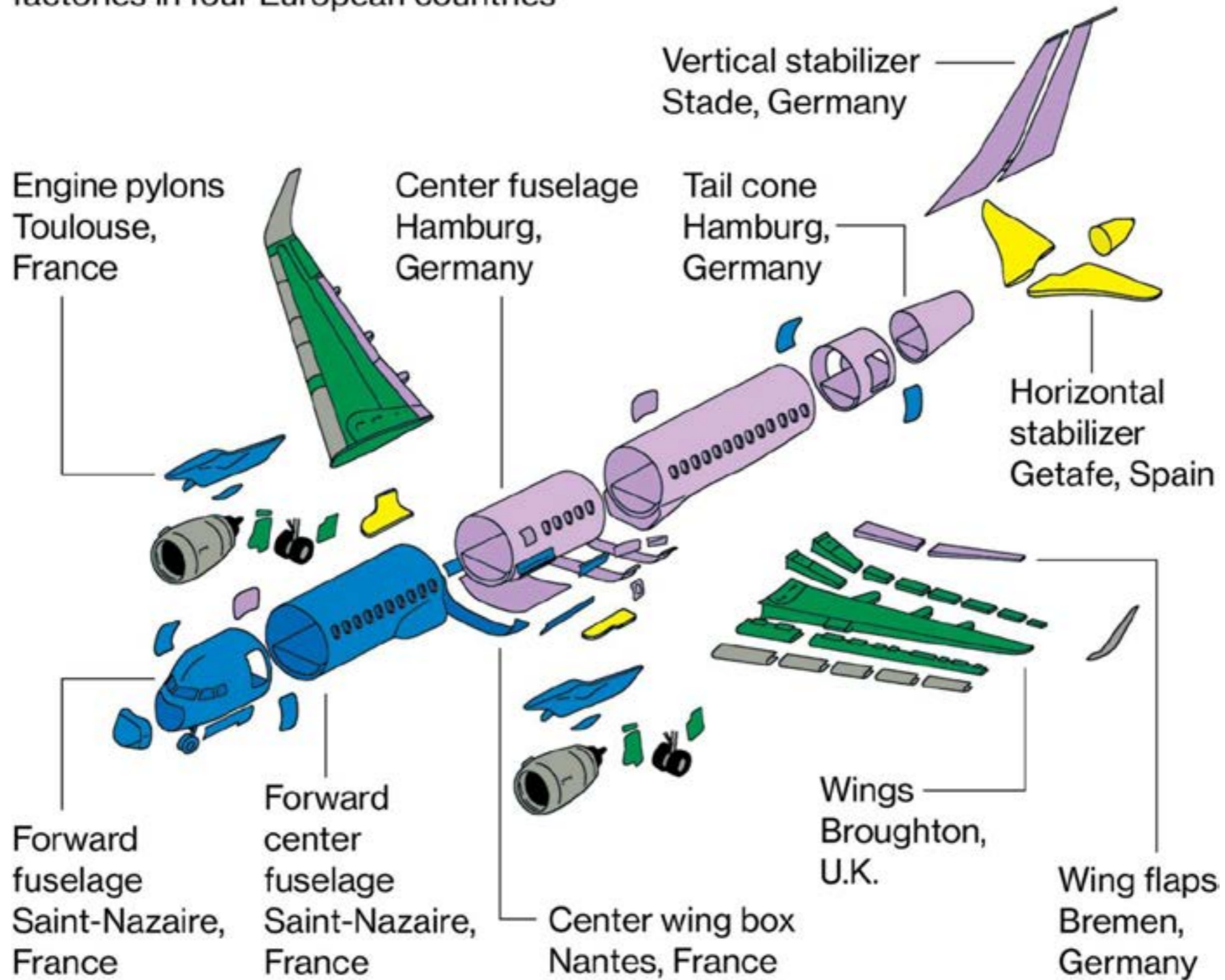
Sevilla, SP

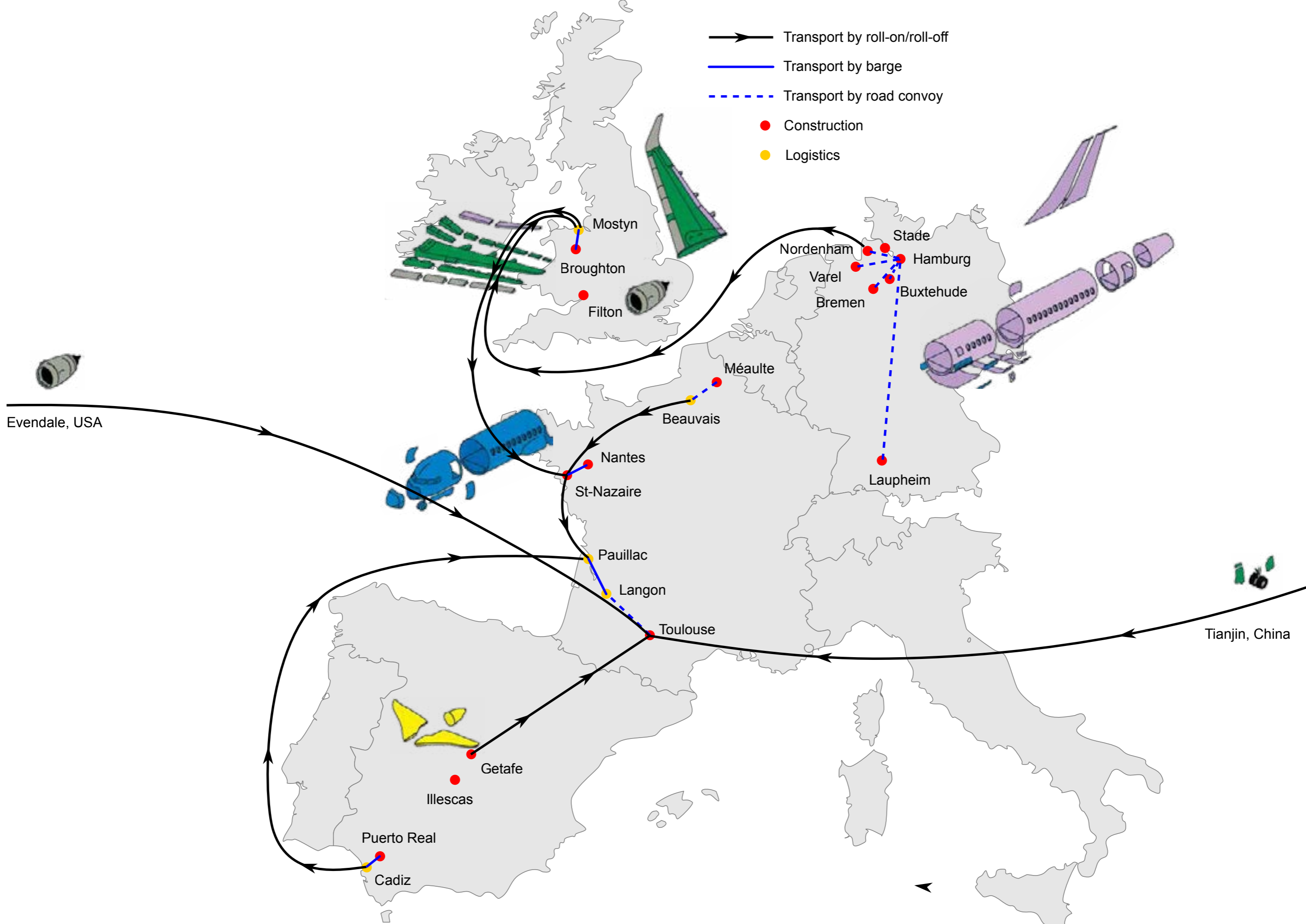


Everett, US

Divided, It Flies

Parts for the latest A320 come from factories in four European countries





→ Transport by roll-on/roll-off

— Transport by barge

- - - Transport by road convoy

● Construction

● Logistics

Evendale, USA

Tianjin, China

Mostyn

Broughton

Filton

Méaulte

Beauvais

Nantes

St-Nazaire

Pauillac

Langon

Toulouse

Getafe

Illescas

Puerto Real

Cadiz

Nordenham

Varel

Bremen

Stade

Hamburg

Buxtehude

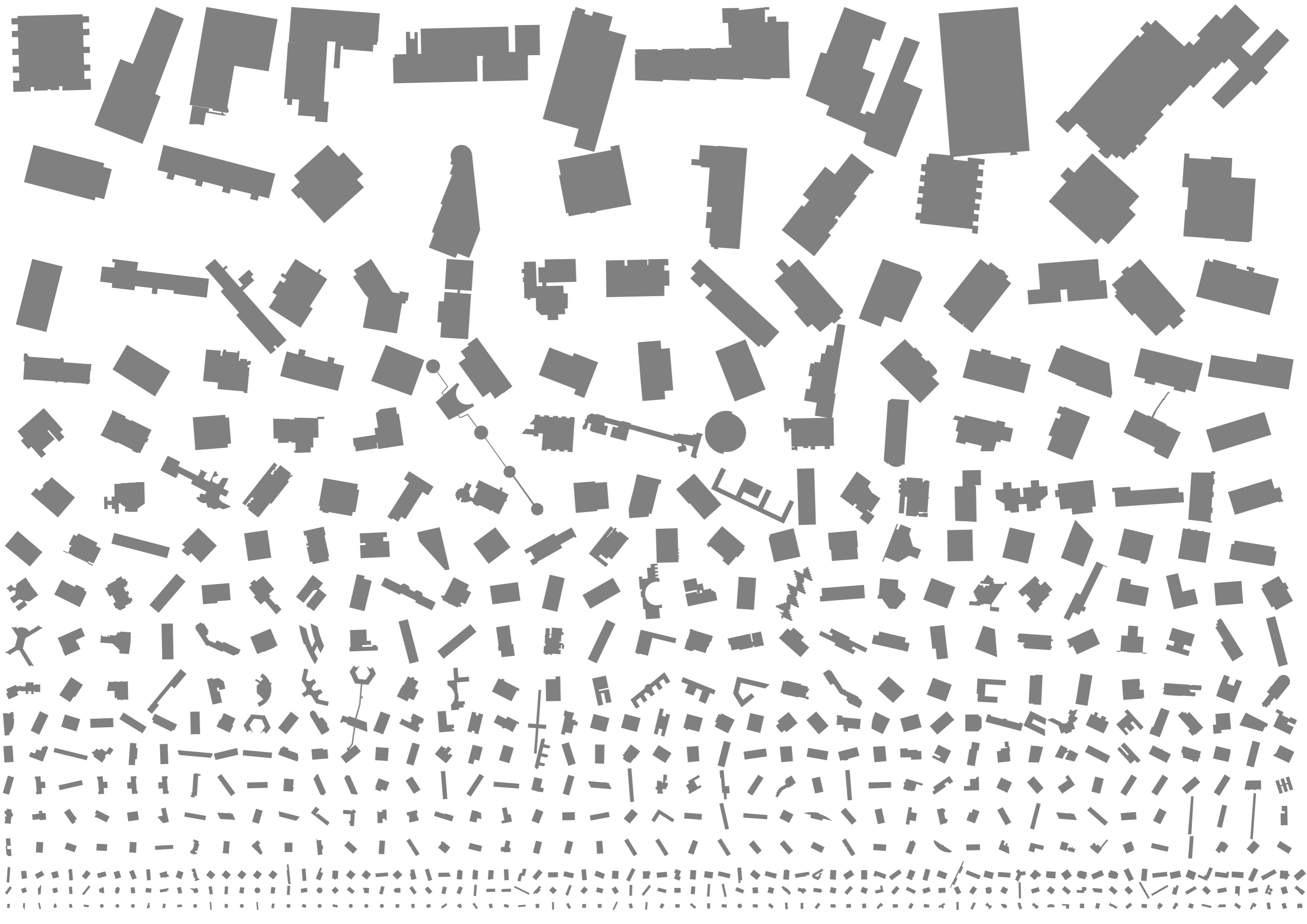
Laupheim



Toulouse, FR



	Volumn m3	number of buildings	single factory volumn
madrid Horizontal tail plane	3989332	47	66-1162k
Hamburg aft fuselage vertical tail	7419393	95	64-1037k
Broughton wing	7543008	101	57-2641k
saint nazaire Fuselage	2872307	109	48-723k
Derby Engine	5243362	136	60-540k
toulouse final assembly	28532704	688	100-4151k



Factory buildings around the world

Final Assembly

Wing

Back Fuselage

Middle Fuselage

Head

Nose

Horizontal Tail

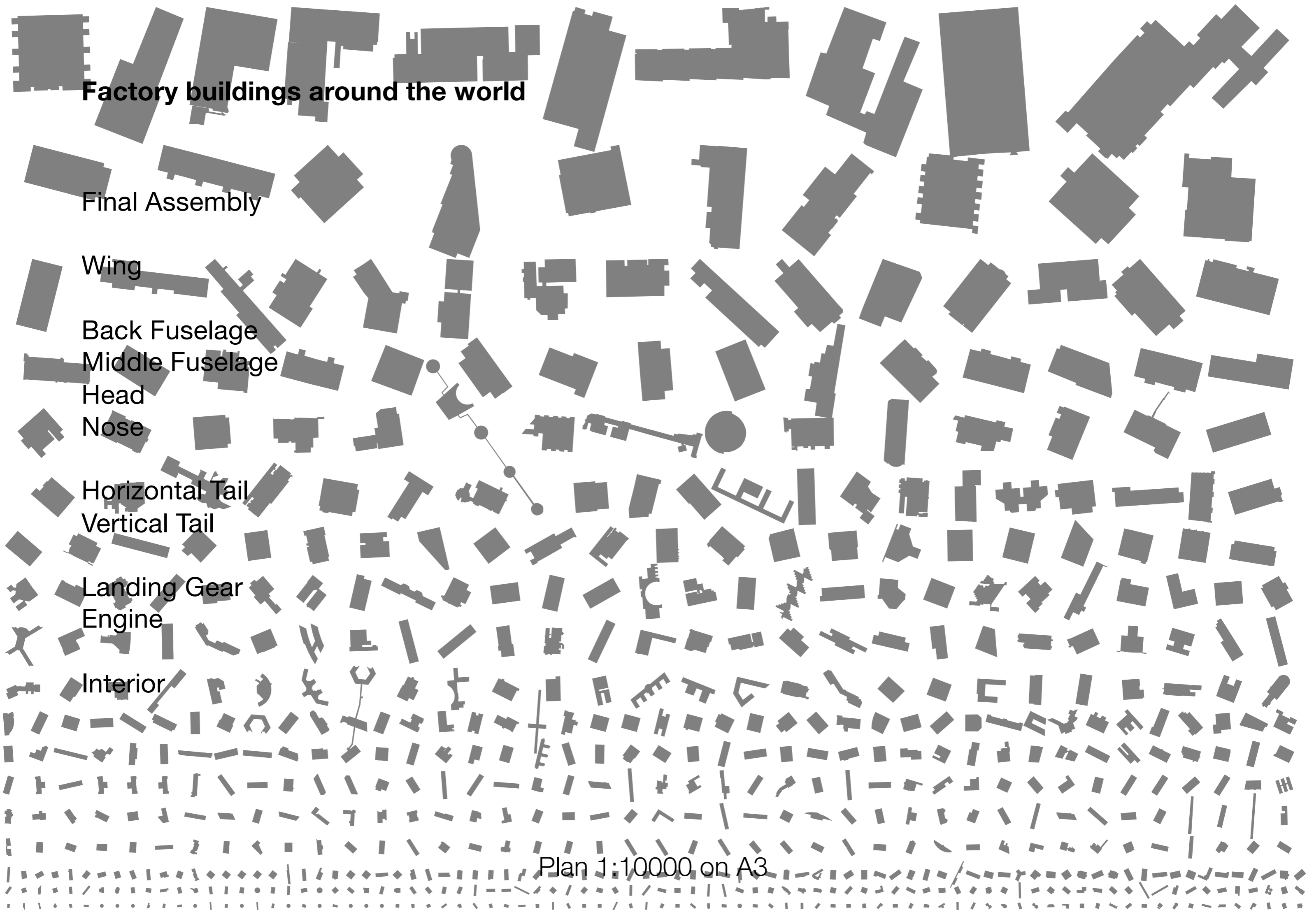
Vertical Tail

Landing Gear

Engine

Interior

Plan 1:10000 on A3



Site: Qinhuangdao, China

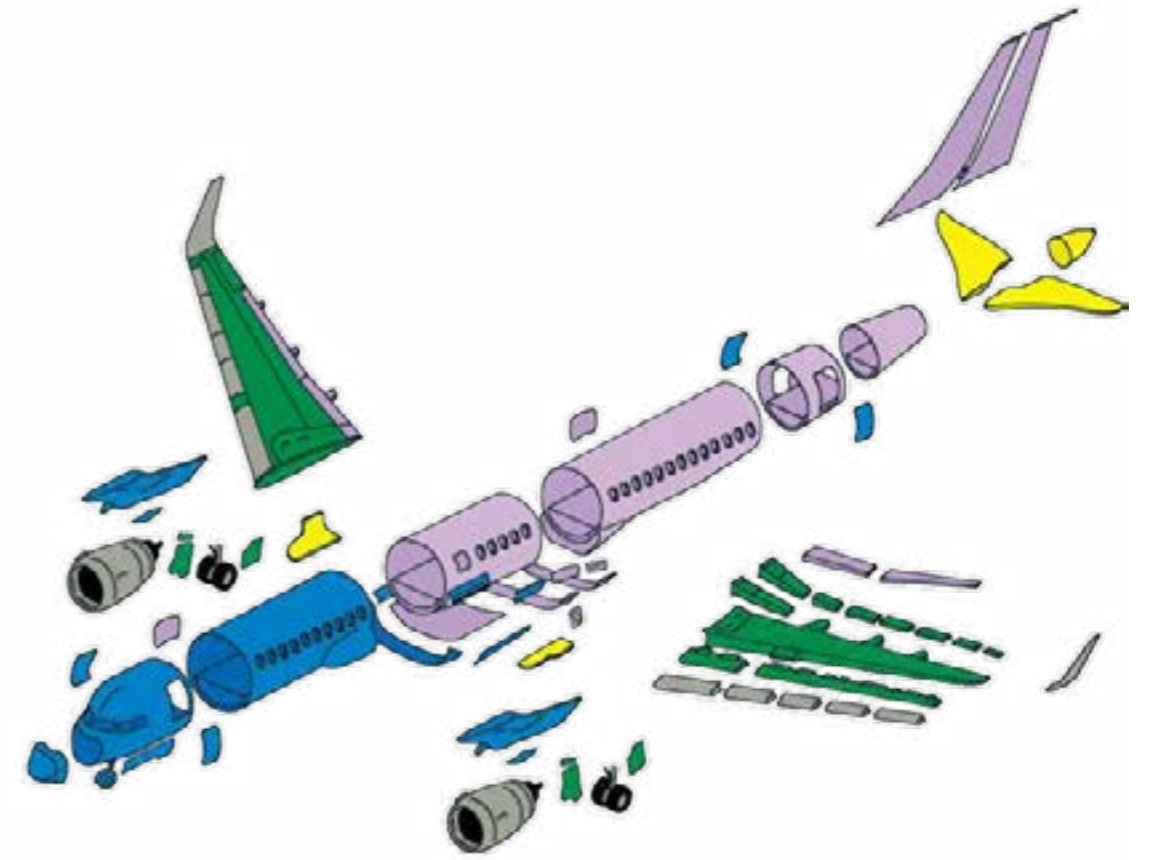




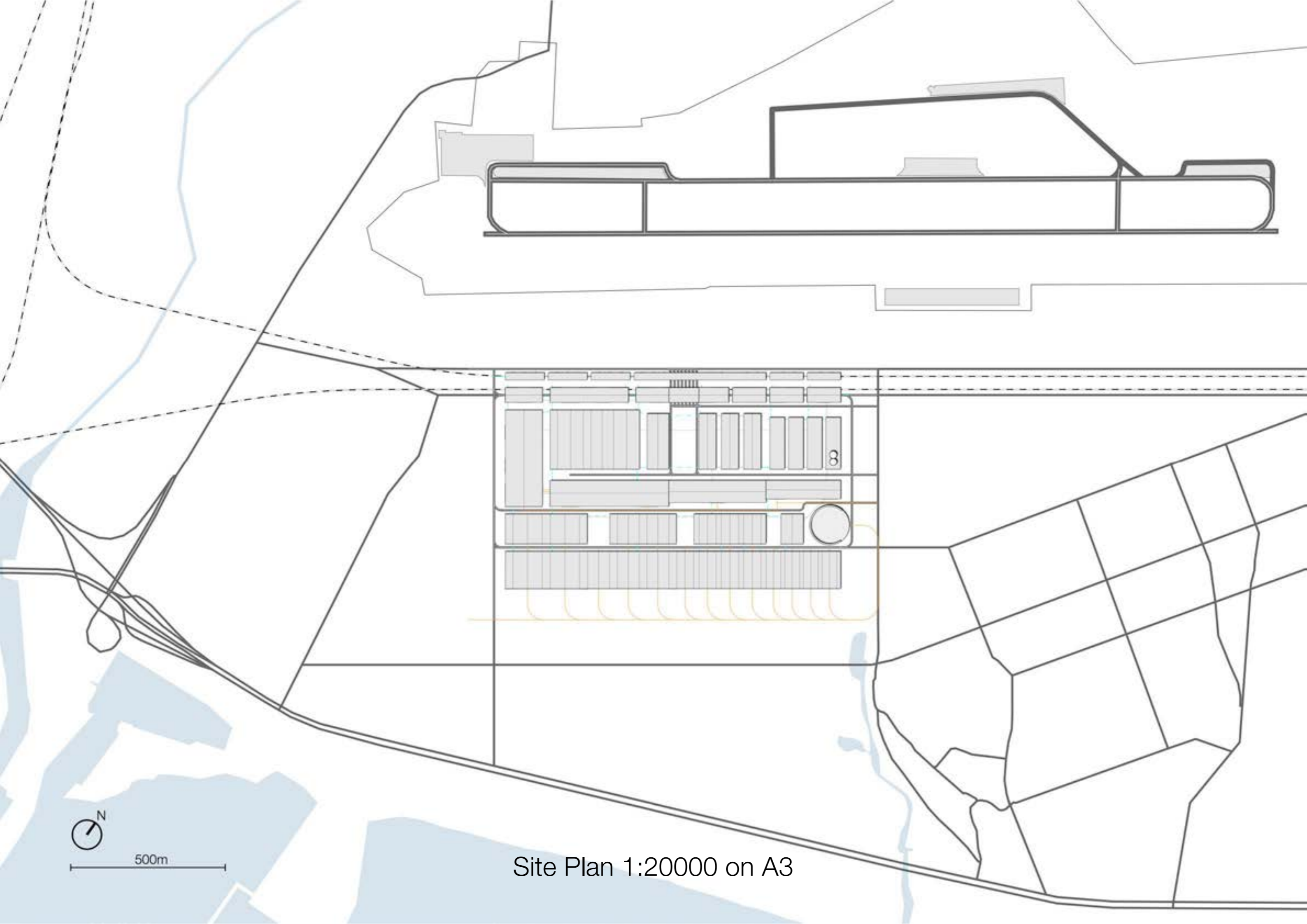
Garment Workers, Indonesia



Qinhuangdao, CN



Small - Big
Material - Parts - Final Assembly



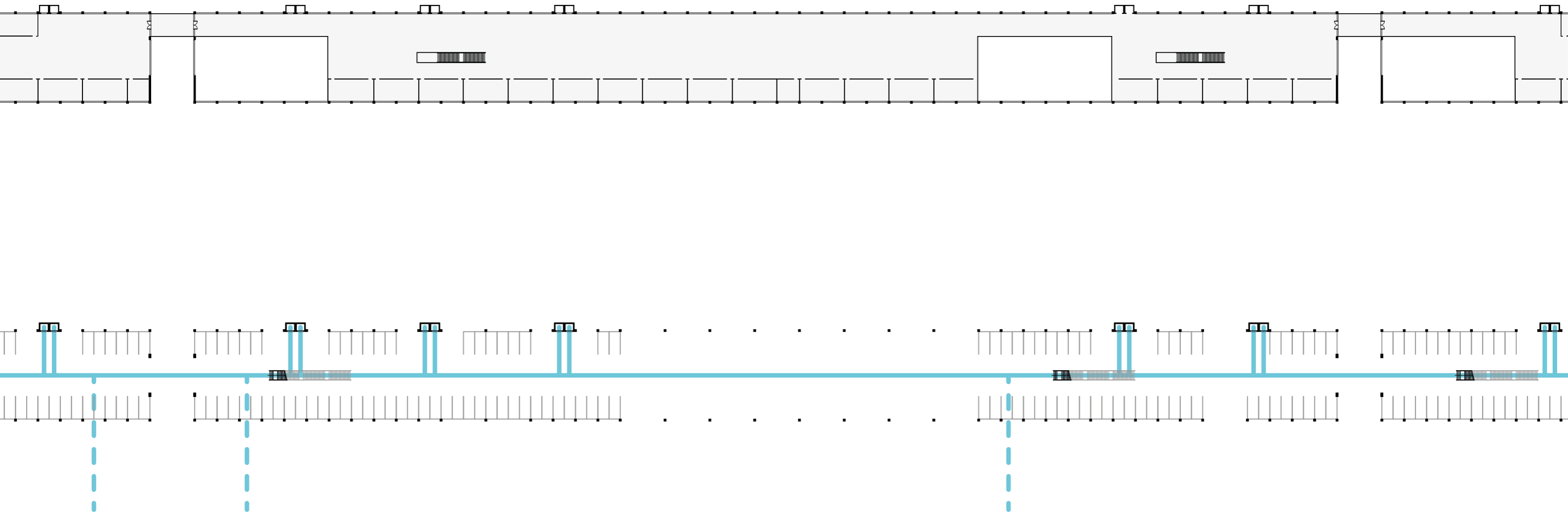
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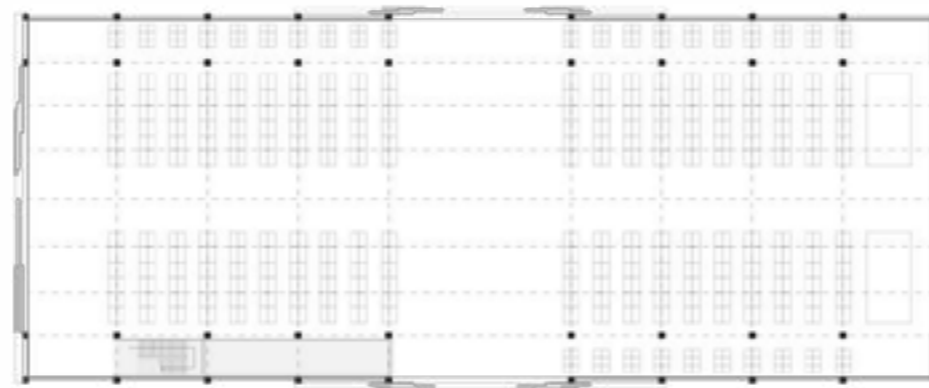
Site Plan 1:20000 on A3



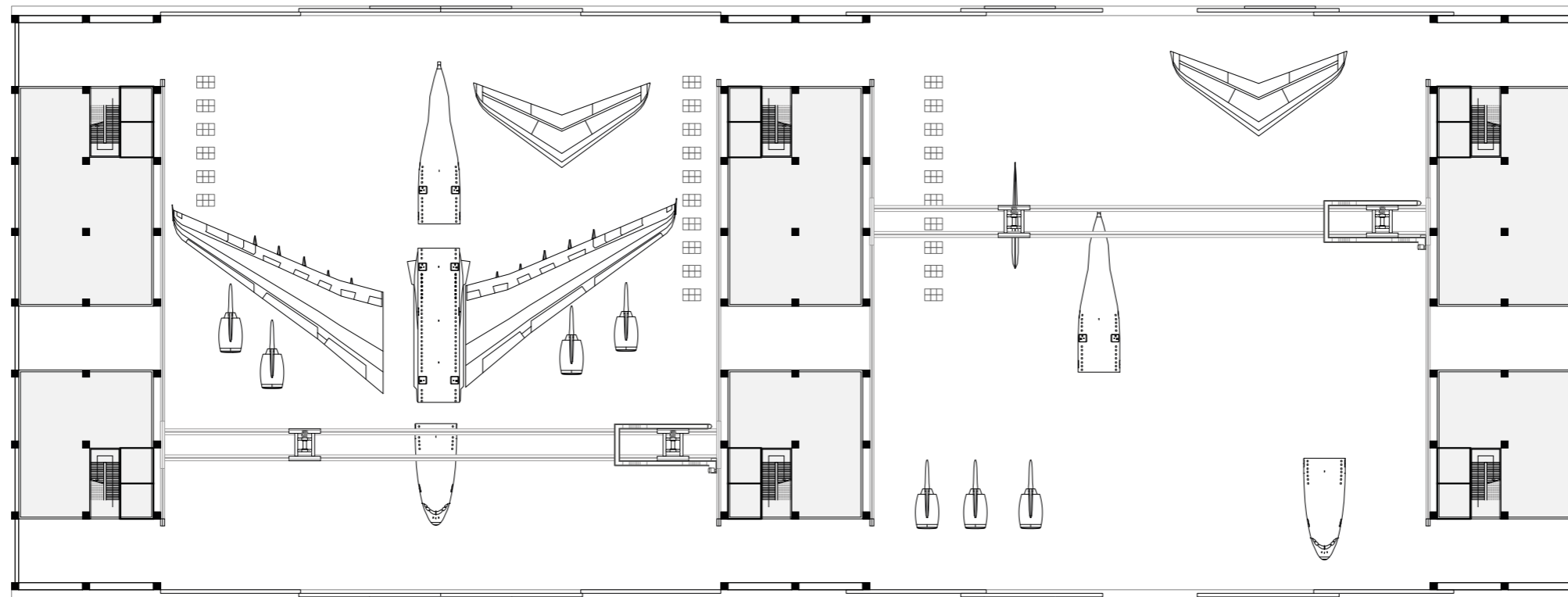
Ground Floor Plan 1:5000 on A3



Upper and Ground Floor
Offices Floor Plans 1:1000 on A3



Warehouse Floor Plan 1000 on A3



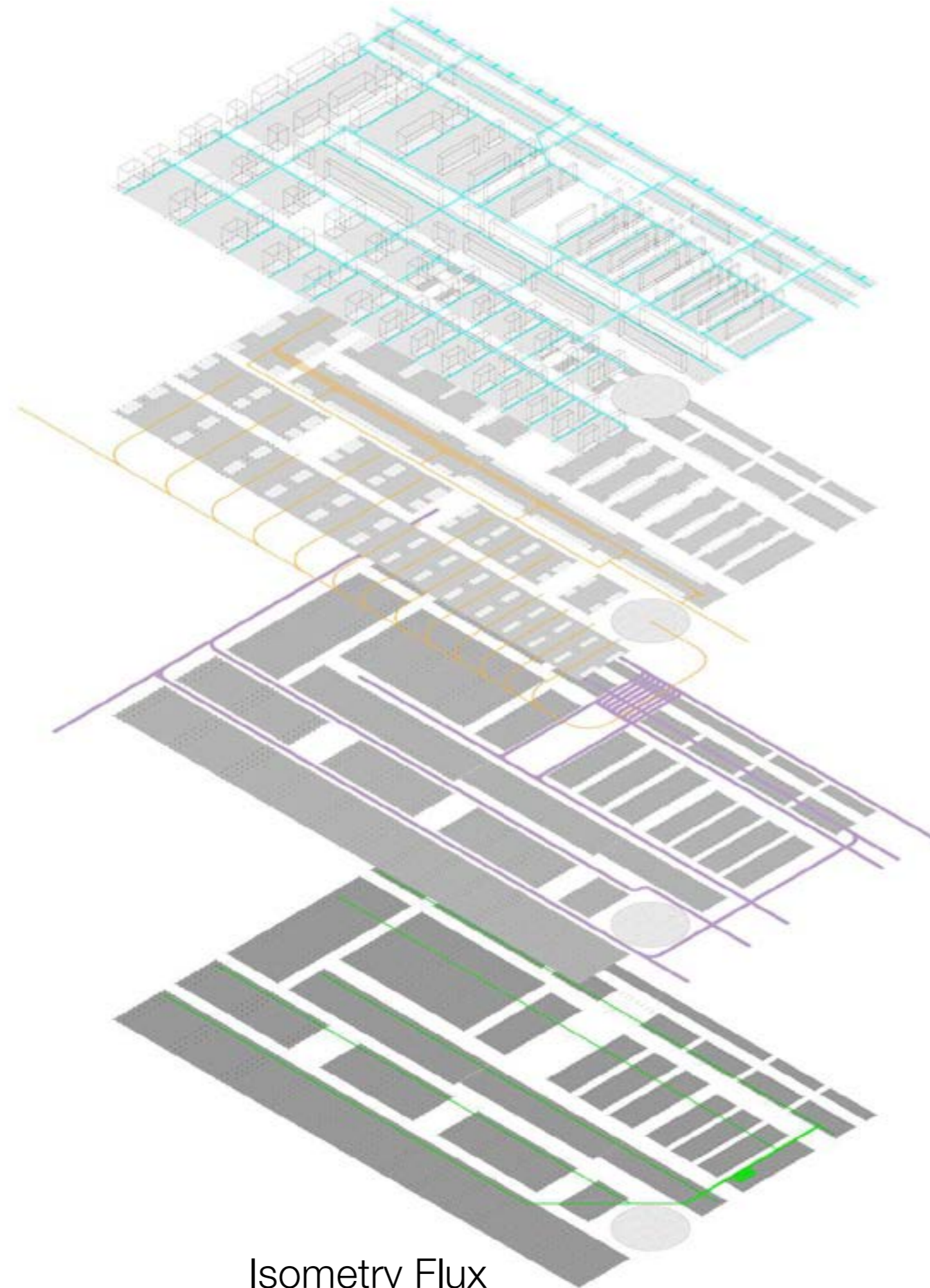
Pre-Final Assembly Hall 1:1000 on A3

People

Airplane

Truck

Ventilation



Isometry Flux



Beluga, Airbus

