



INNOVATIVE SYSTEMS FOR AIR TREATMENT

presents the

MIX-IND[®]

technology

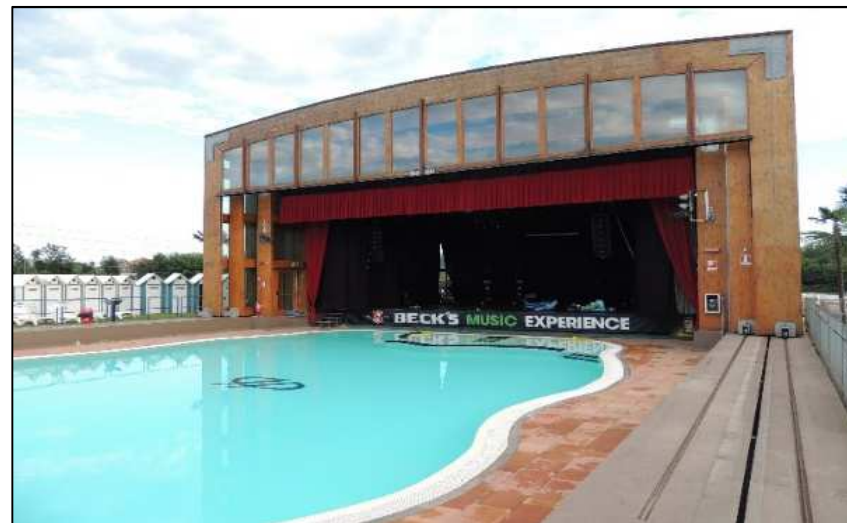
and the

NEW GENERATION design



Theater

New Generation **MIX-IND**® design



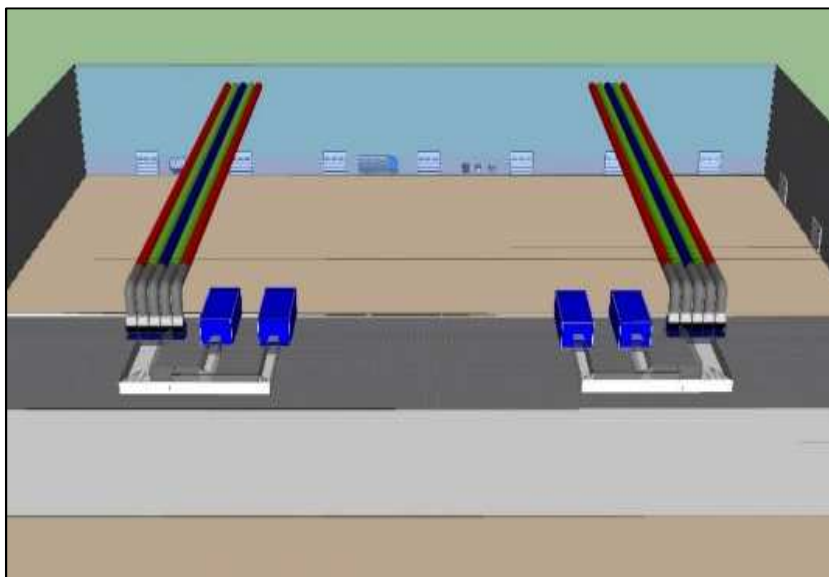
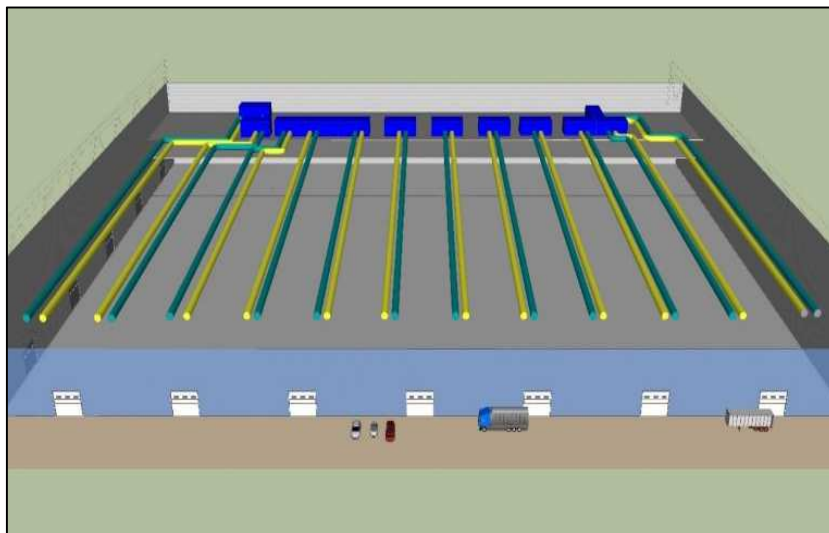
Telescopic building mounted on tracks, closed in winter and open in summer

AHU's air flow	35.000 m ³ /h
Maximum stratification	1 °C
Maximum air throw	50 m
Min. winter supply air temperature	-5 °C
Maximum height of the building	8 m
Minimum ductwork height	3,5 m
Variable air flow	20 - 100 %

The **NEW GENERATION MIX-IND**® design costs less than half compared to the initially foreseen traditional plant.



EXHIBITION HALL



BUILDING'S CHARACTERISTICS

Surface	14.000	m ²
Maximum Height	20	m
Ductwork height	14	m
Volume of the room	252.000	m ³

INITIAL PROJECT

Plant's air flow	432.000	m ³ /h
Max. winter supply air temperature	30	°C
Min. summer supply air temperature	12	°C

NEW GENERATION MIX-IND® DESIGN

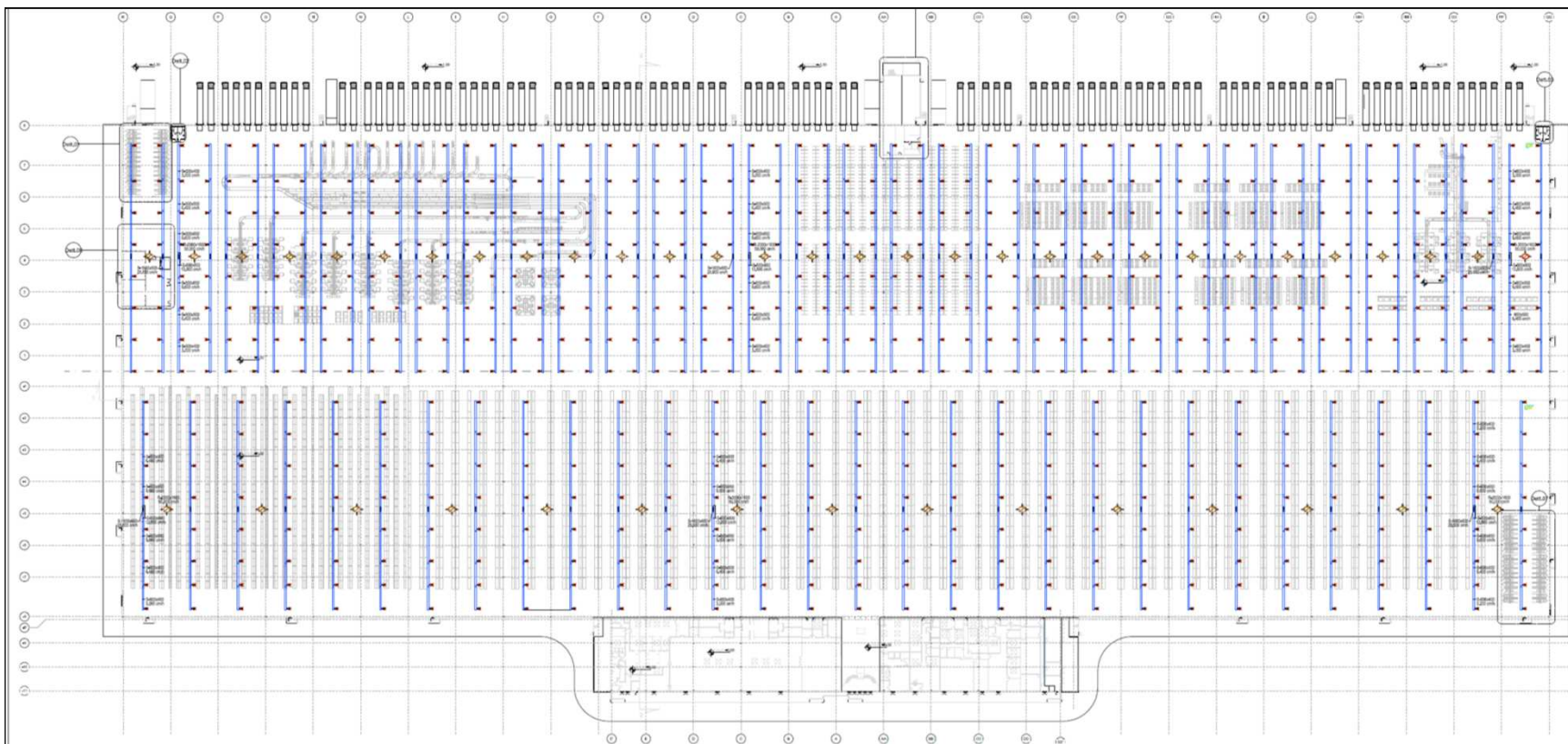
Plant's air flow	280.000	m ³ /h
Air changes per hour	1,1	vol/h
Maximum stratification	1	°C
Variable air flow	40 - 100	%
Min. winter supply air temperature	- 5	°C

The **NEW GENERATION MIX-IND®** design costs less than half compared to the initially foreseen traditional plant.



WAREHOUSE – LOGISTICS

original project with nozzles



BUILDING'S CHARACTERISTICS

Surface	120.000	m ²
Maximum height	12	m
Volume of the room	1.440.000	m ³

TRADITIONAL PROJECT

Plant's air flow	2.250.000	m ³ /h
Air changes per hour	1,6	vol/h

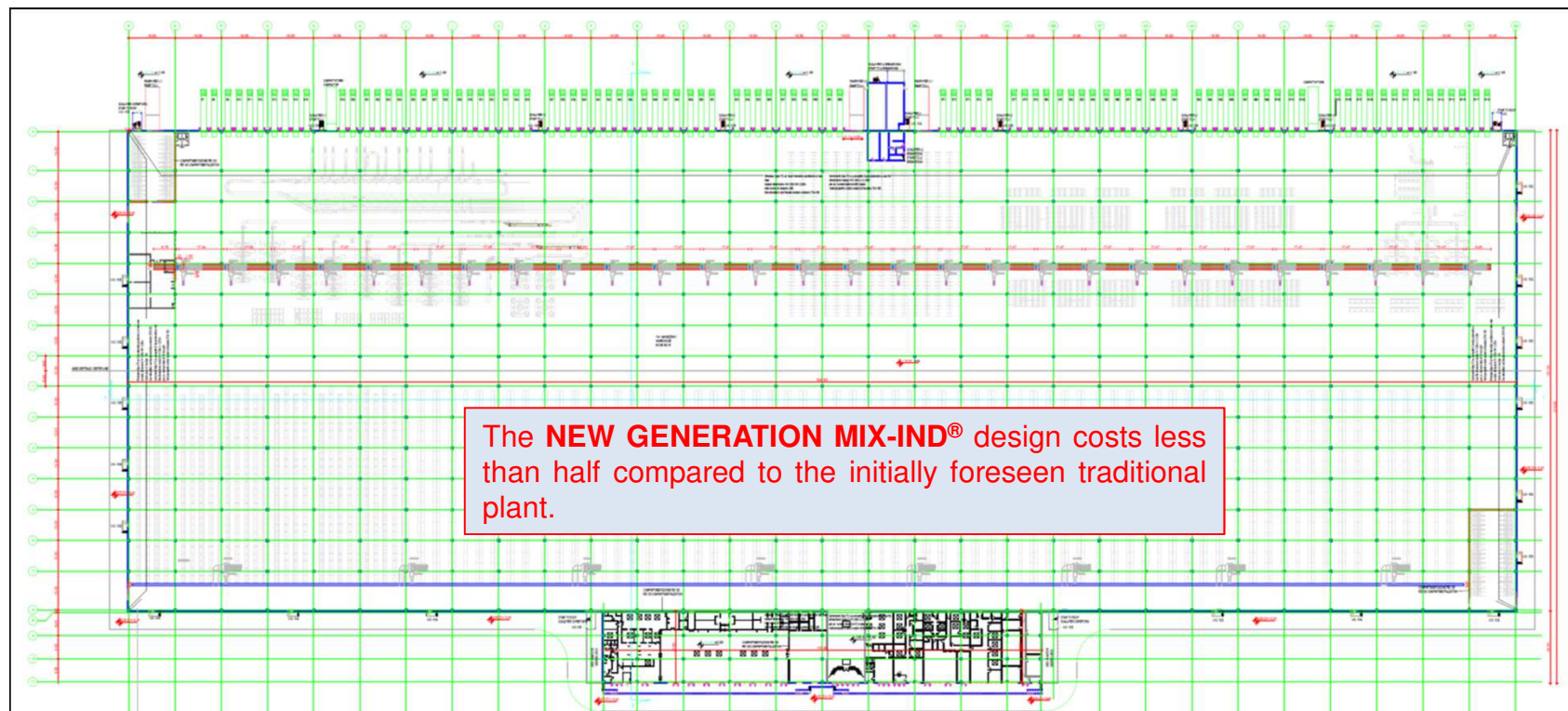
NEW GENERATION MIX-IND® DESIGN

Plant's air flow	1.188.000	m ³ /h
Air changes per hour	0,8	vol/h
Maximum air throw	85	m
Maximum stratification	1	°C
Variable air flow	50/100	%
Min. winter supply air temperature	-5	°C



WAREHOUSE – LOGISTICS

MIX-IND® New Generation design



BUILDING'S CHARACTERISTICS

Surface	120.000	m ²
Maximum height	12	m
Volume of the room	1.440.000	m ³

TRADITIONAL PROJECT

Plant's air flow	2.250.000	m ³ /h
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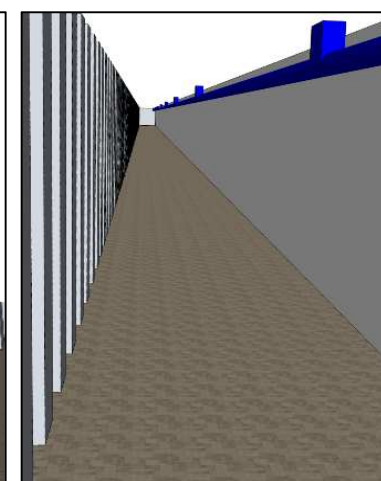
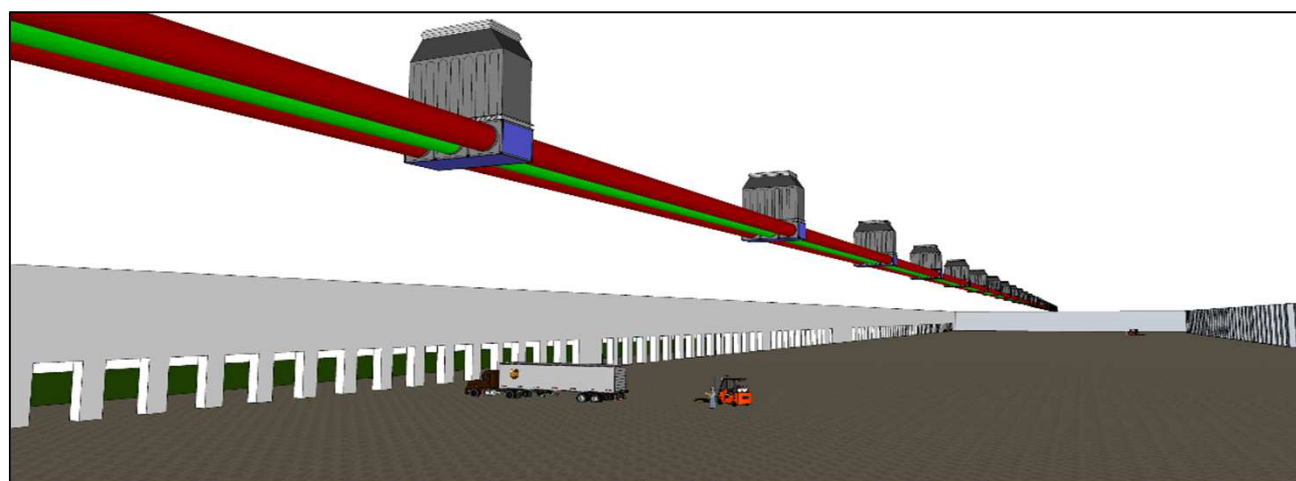
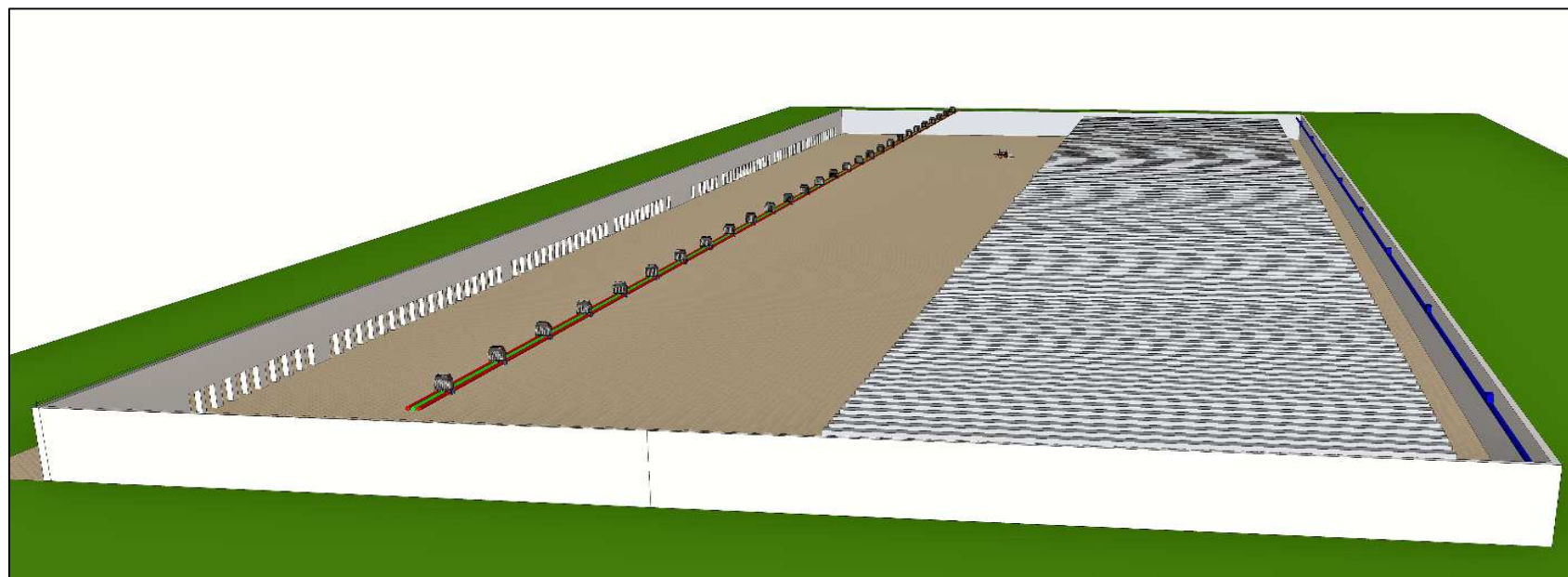
NEW GENERATION MIX-IND® DESIGN

Plant's air flow	1.188.000	m ³ /h
Air changes per hour	0,8	vol/h
Maximum air throw	85	m
Maximum stratification	1	°C
Variable air flow	50/100	%
Min. winter supply air temperature	-5	°C



WAREHOUSE – LOGISTICS

MIX-IND® New Generation design





WAREHOUSE – LOGISTICS

MIX-IND® New Generation design





COVERED STADIUM WITH 40.000 SEATS

MIX-IND® New Generation design



BUILDING'S CHARACTERISTICS

Surface	24.000	m ²
Maximum height	44	m
Net volume	730.000	m ³

TRADITIONAL PROJECT

Plant's air flow	2.400.000	m ³ /h
Min. winter/summer supply air temperature	12	°C

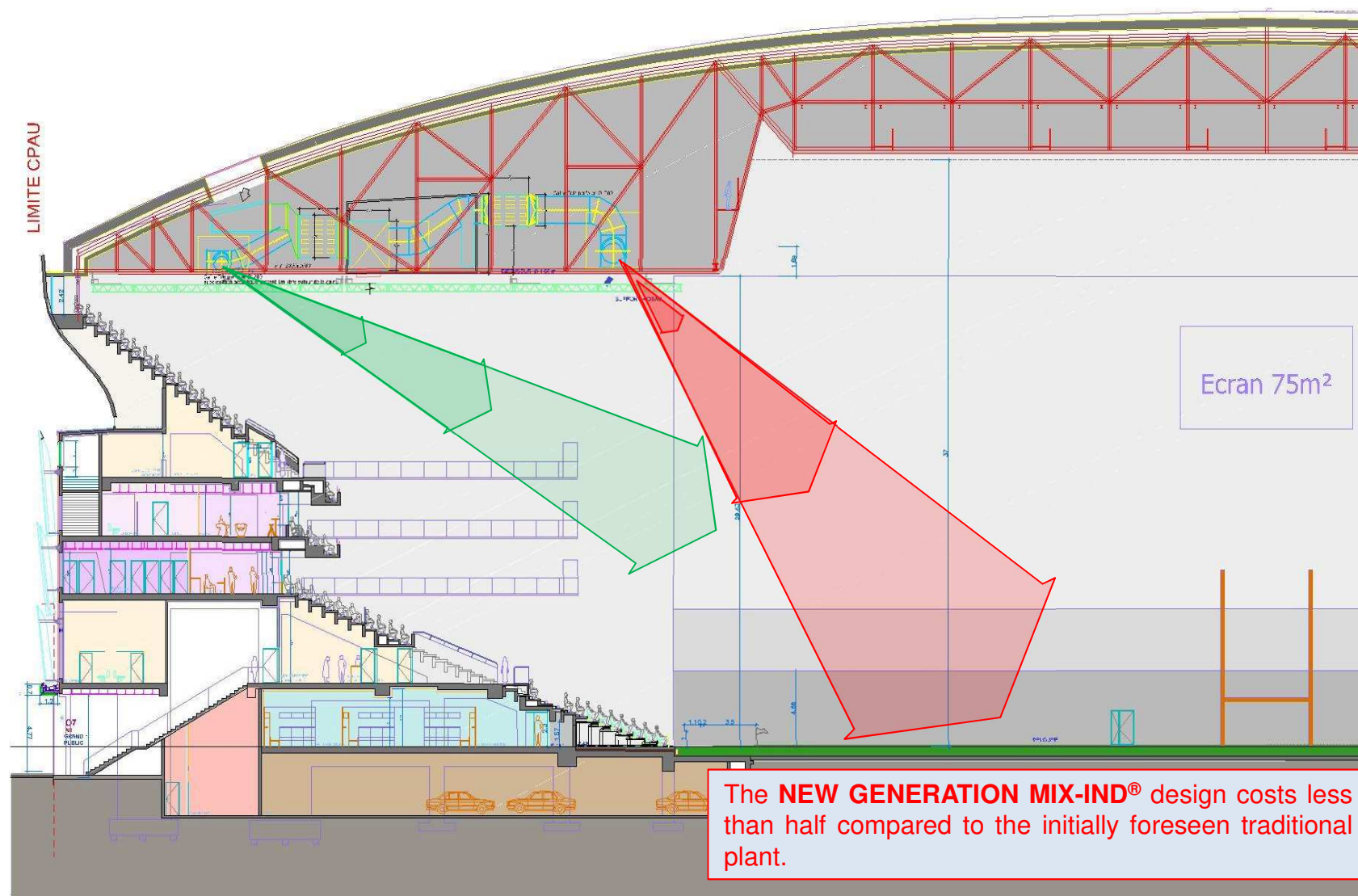
MIX-IND® NEW GENERATION DESIGN

Plant's air flow	720.000	m ³ /h
Air changes per hour	1	vol/h
Maximum stratification	1	°C
Variable air flow	40/100	%
Min. winter supply air temperature	- 7	°C
Max. air throw during BOOST* phase	100	m
Max. refrigeration power saved in winter	6.600	kW



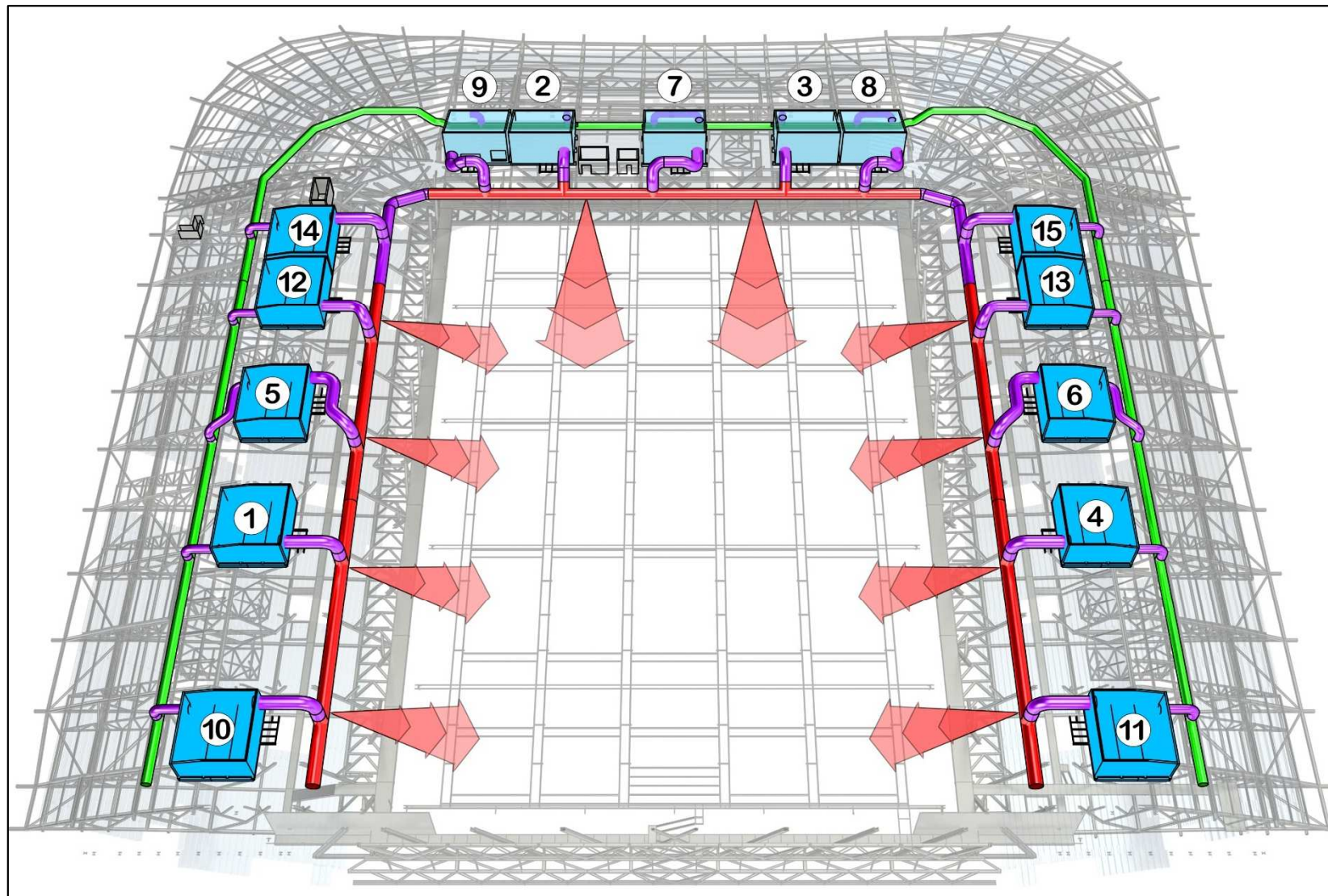
COVERED STADIUM WITH 40.000 SEATS

MIX-IND® New Generation design



COVERED STADIUM WITH 40.000 SEATS

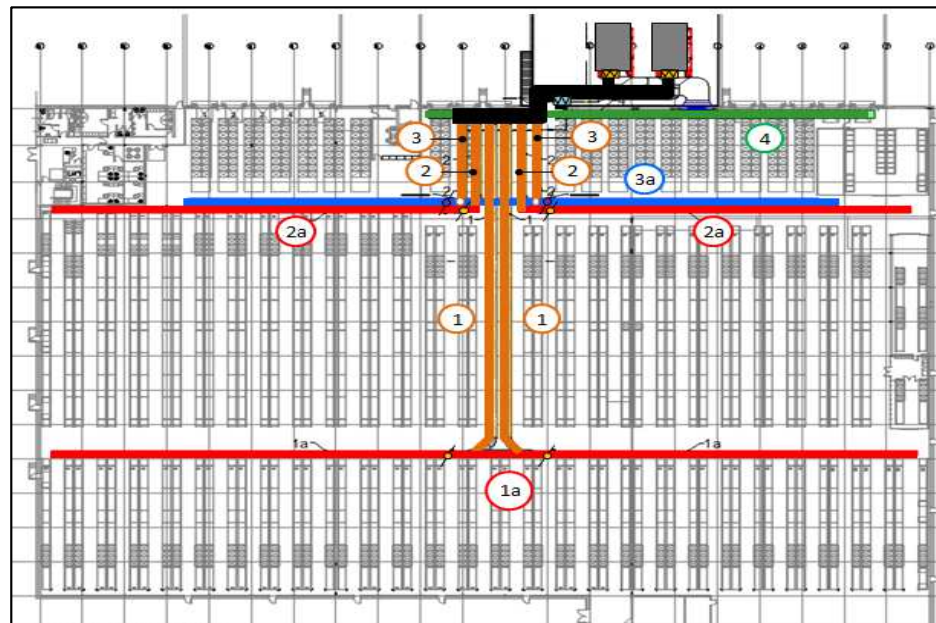
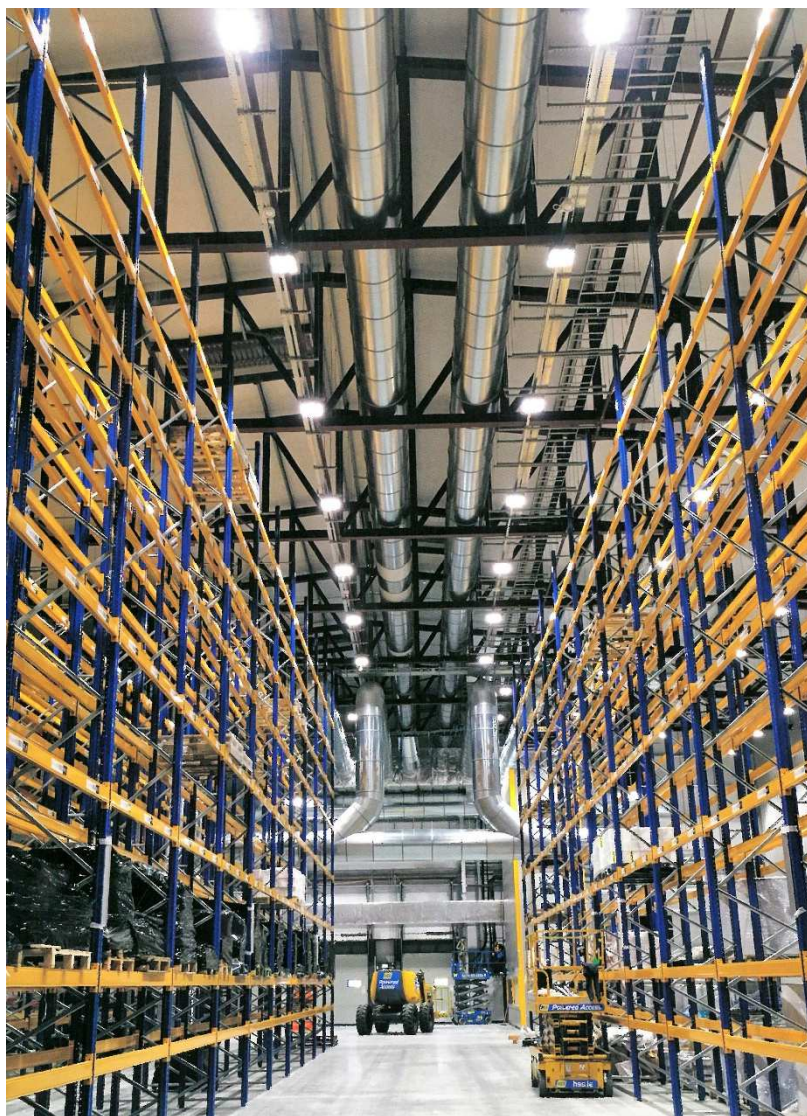
MIX-IND® New Generation design





PHARMACEUTICAL WAREHOUSE

MIX-IND® New Generation design



BUILDING'S CHARACTERISTICS

Surface	10.000 m ²
Maximum height	12 m
Volume of the room	120.000 m ³

MIX-IND® NEW GENERATION PLANT

Plant's air flow	158.000 m ³ /h
Air changes per hour	1,3 vol/h
Maximum stratification	0,5 °C



EXTERNAL COLD AIR BARRIER

VARIWIND

SIMPLE - POWERFUL - EFFECTIVE

- ☐ Competitive price
- ☐ No thermal power installed
- ☐ Energy saving > 40 %
- ☐ More comfort for the users:
 - less air drafts
 - less dust lifting
 - greater temperature homogeneity
- ☐ Adaptable for doors up to 30 m high
- ☐ Stainless steel built with no welding
- ☐ No service and maintenance required
- ☐ Fans with **TWIN-FLOW** technology
- ☐ High efficiency EC motors
- ☐ Variable air flow according to climate