



INNOVATIVE SYSTEMS FOR AIR TREATMENT

presents the

MIX-IND®

technology

and the

NEW GENERATION designs



THEATER

New Generation **MIX-IND**® design



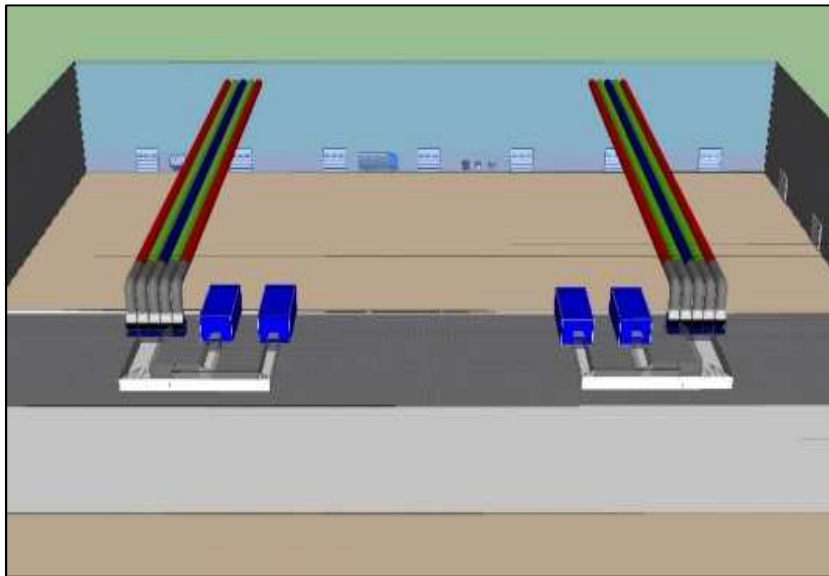
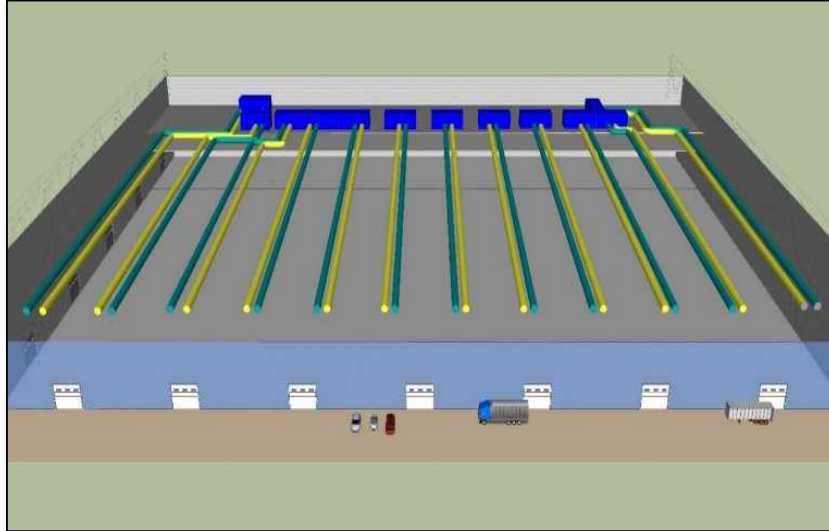
Telescopic building mounted on tracks, closed in winter and open in summer

AHU air flow	20,000	CFM
Maximum stratification	2	°F
Air throw range	164	ft
Min. winter supply air temperature	23	°F
Maximum building height	26	ft
Minimum ductwork height	11.5	ft
Variable air flow	20/100	%

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



EXHIBITION HALL



BUILDING'S CHARACTERISTICS

Surface	150,600	ft ²
Maximum Height	66	ft
Ductwork height	46	ft
Volume of the room	9,900,000	ft ³

INITIAL PROJECT

AHU's total air flow	254,000	CFM
Air changes per hour	1.55	ACPH
Max. winter supply air temperature	86	°F
Min. summer supply air temperature	54	°F

NEW GENERATION MIX-IND® DESIGN

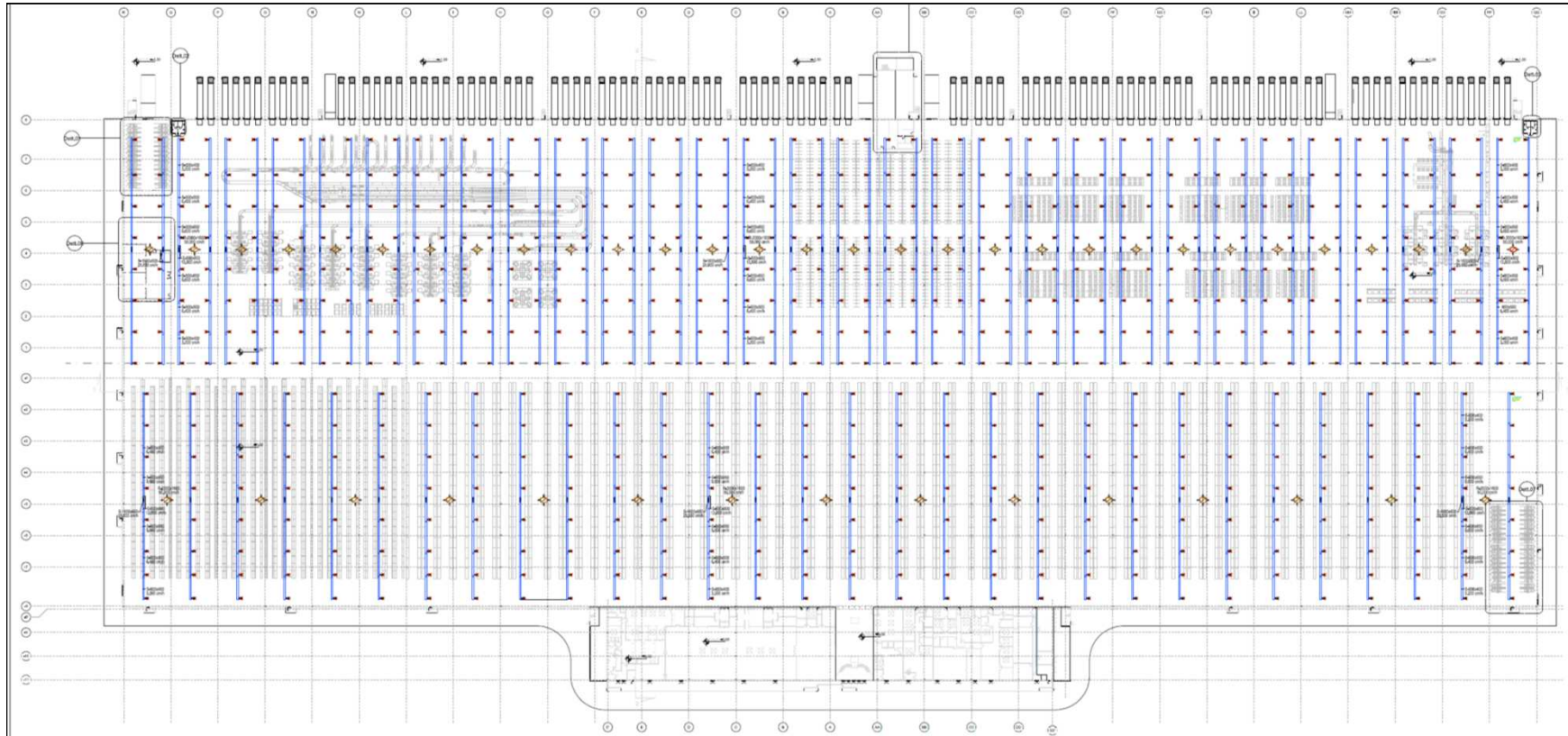
AHU's air flow	164,000	CFM
Air changes per hour	1.1	ACPH
Maximum stratification	2	°F
Variable air flow	40 - 100	%
Min. winter supply air temperature	23	°F

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



WAREHOUSE – LOGISTICS

original project with nozzles



BUILDING'S CHARACTERISTICS

Surface	1,300,000	ft ²
Maximum height	40	ft
Volume of the room	52,000,000	ft ³

TRADITIONAL PROJECT

Roof top total air flow	1,324,000	CFM
Air changes per hour	1.53	ACPH

NEW GENERATION MIX-IND® DESIGN

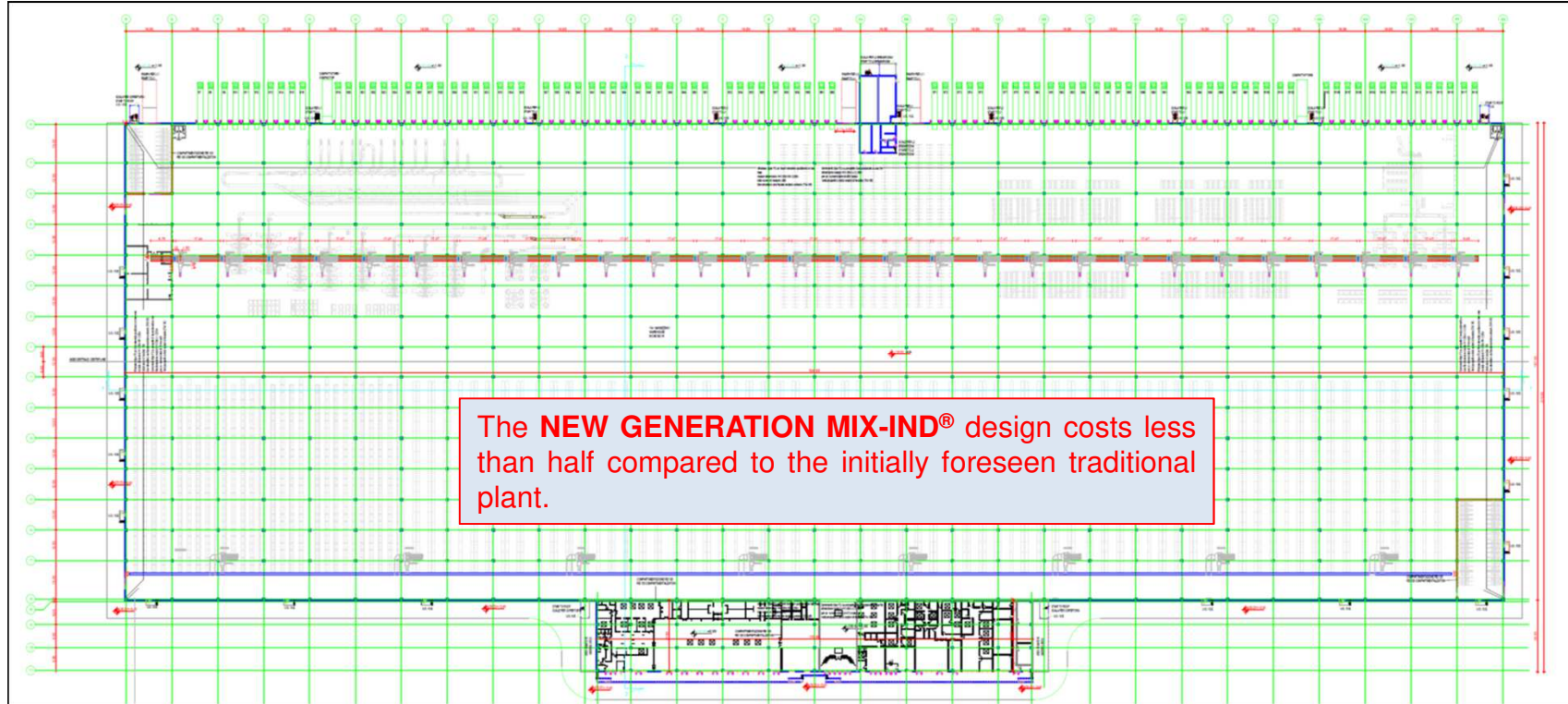
Roof top total air flow	700,000	CFM
Air changes per hour	0.8	ACPH
Air throw range	280	ft
Maximum stratification	2	°F
Variable air flow	50 - 100	%
Min. winter supply air temperature	23	°F





WAREHOUSE – LOGISTICS

MIX-IND® New Generation design



BUILDING'S CHARACTERISTICS

Surface	1,300,000	ft ²
Maximum height	40	ft
Volume of the room	52,000,000	ft ³

INITIAL PROJECT

Roof top initial air flow	1,324,000	CFM
Air changes per hour	1.53	ACPH

NEW GENERATION MIX-IND® DESIGN

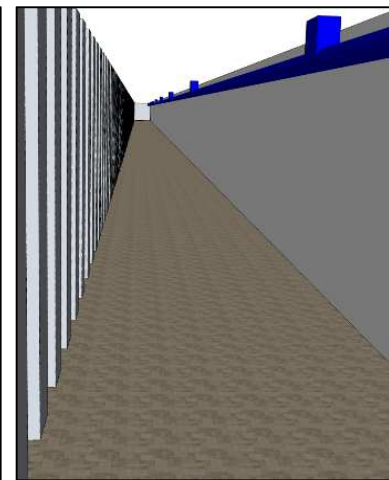
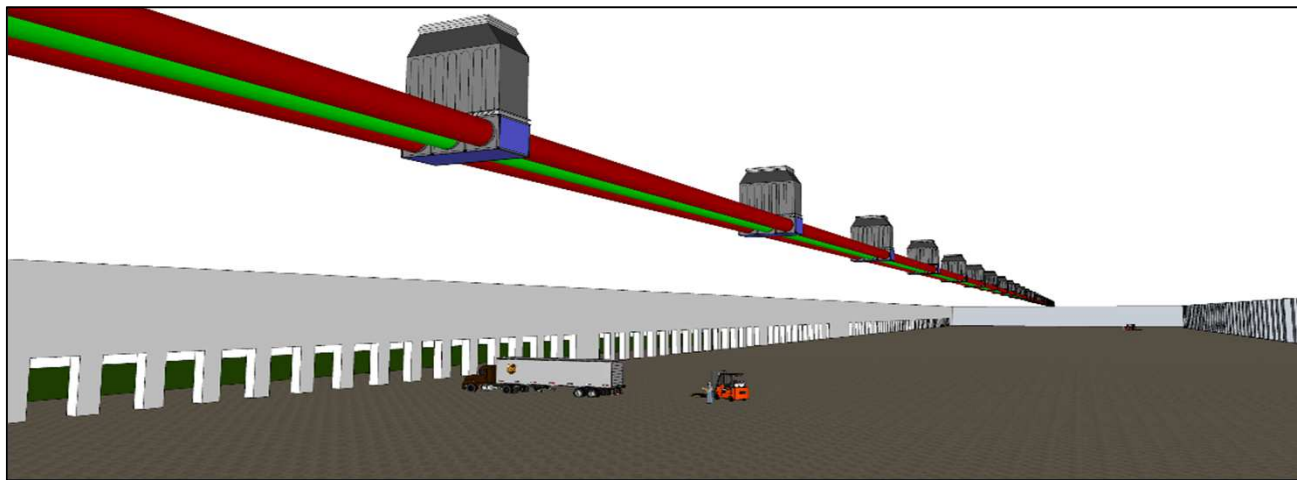
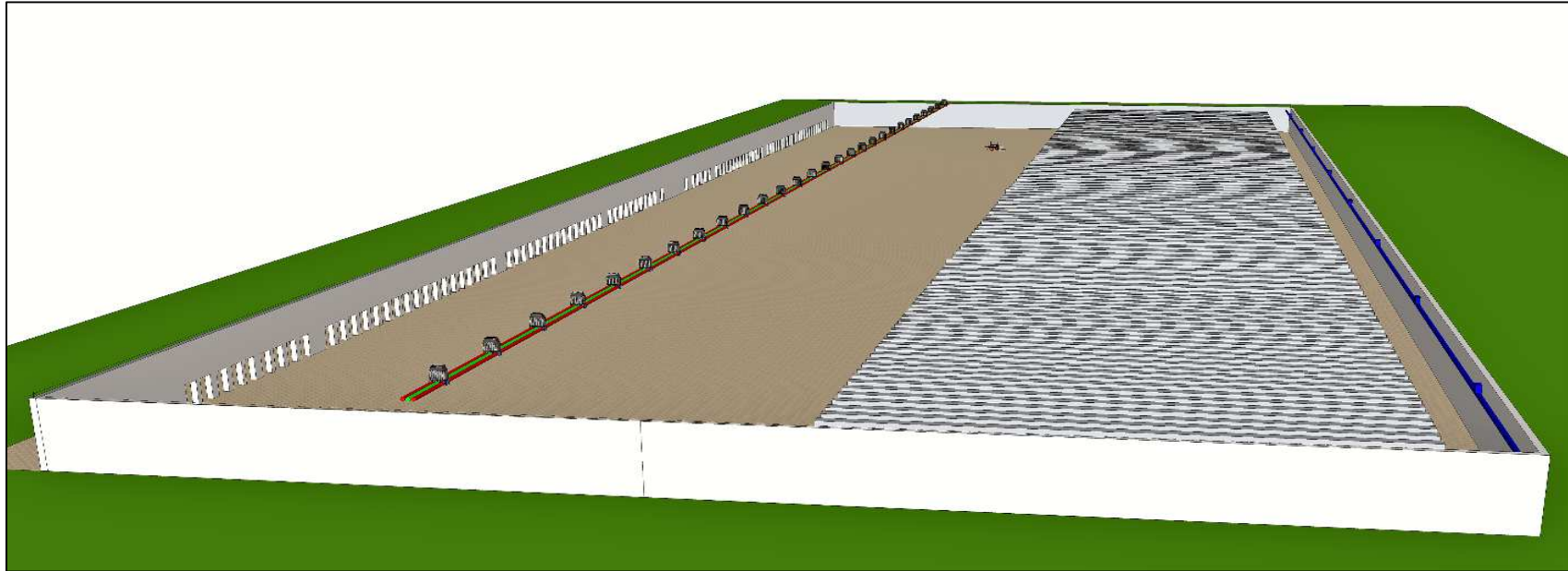
Roof top total air flow	700,000	CFM
Air changes per hour	0.8	ACPH
Air throw range	280	ft
Maximum stratification	2	°F
Variable air flow	50 - 100	%
Min. winter supply air temperature	23	°F





WAREHOUSE – LOGISTICS

MIX-IND® New Generation design





WAREHOUSE – LOGISTICS

MIX-IND® New Generation design





COVERED STADIUM - 40.000 SEATS

MIX-IND® New Generation design



BUILDING'S CHARACTERISTICS

Surface	260,000	ft ²
Maximum height	145	ft
Net volume	26,800,000	ft ³

INITIAL PROJECT

AHU's total air flow	1,400,000	CFM
Air changes per hour	3	ACPH
Min. winter/summer supply air temperature	54	°F

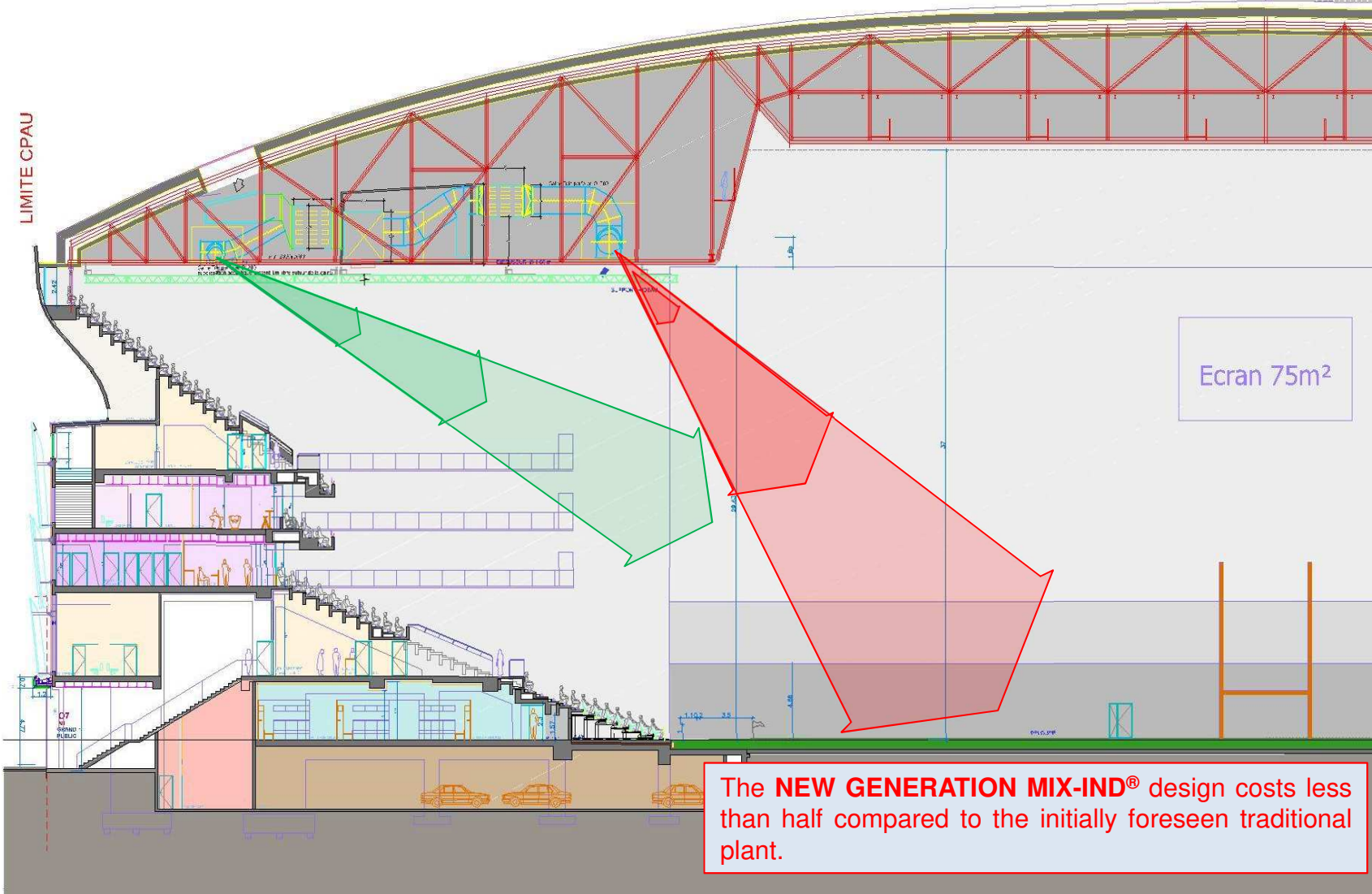
MIX-IND® NEW GENERATION DESIGN

AHU's total air flow	424,000	CFM
Air changes per hour	1	ACPH
Maximum stratification	2	°F
Variable air flow	40 - 100	%
Min. winter supply air temperature	20	°F
Max. air throw during BOOST* phase	328	ft
Max. refrigeration power saved in winter	6,600	kW



COVERED STADIUM WITH 40.000 SEATS

MIX-IND® New Generation design



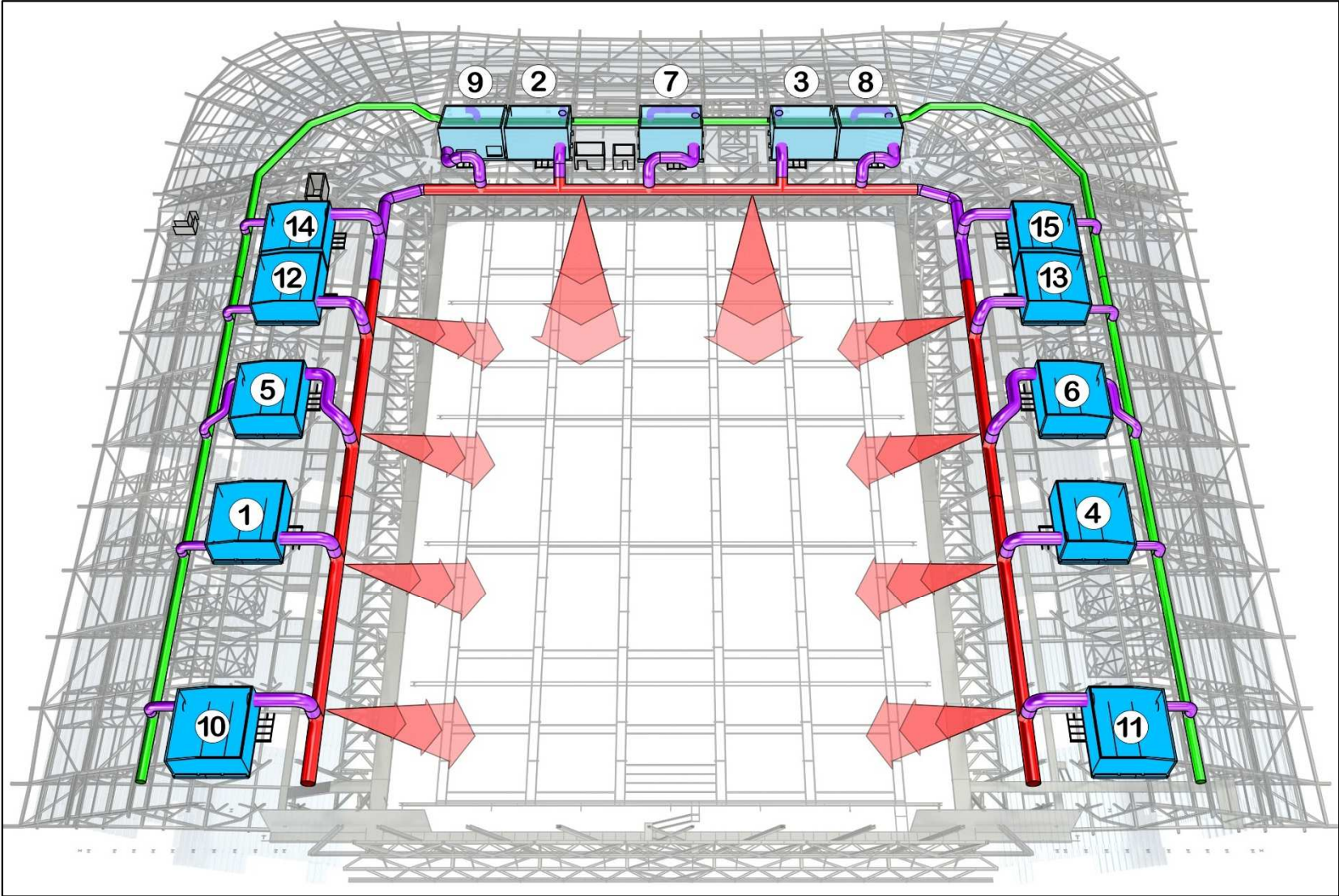
The **NEW GENERATION MIX-IND®** design costs less than half compared to the initially foreseen traditional plant.





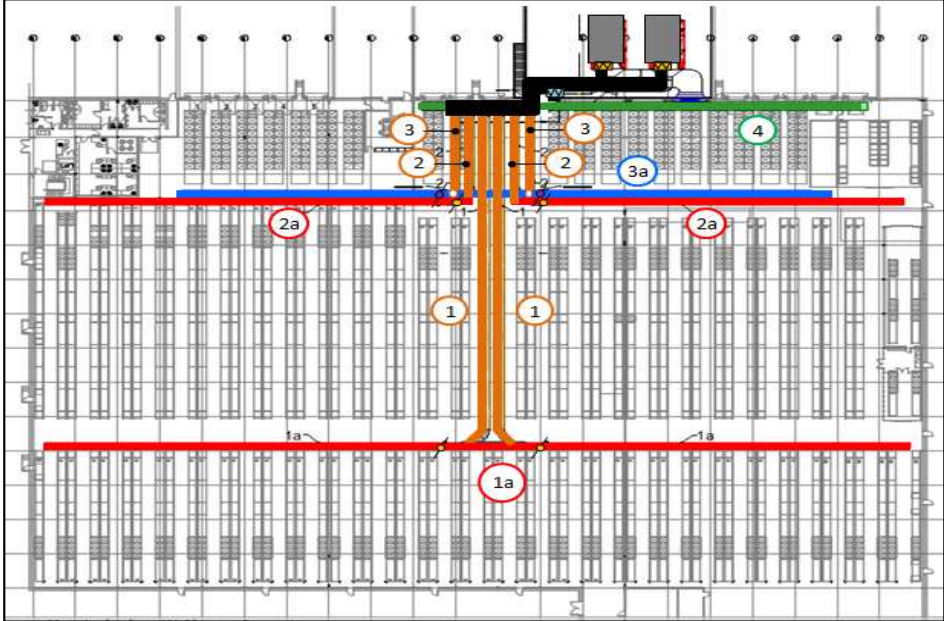
SISTEMI INNOVATIVI DI TRATTAMENTO ARIA

COVERED STADIUM WITH 40.000 SEATS MIX-IND® New Generation plant





PHARMACEUTICAL WAREHOUSE MIX-IND® New Generation design



BUILDING'S CHARACTERISTICS

Surface	108,000 ft ²
Maximum height	40 ft
Volume of the room	430,000 ft ³

MIX-IND® NEW GENERATION DESIGN

Plant's air flow	93,000 CFM
Air changes per hour	1.3 ACPH
Maximum stratification	1 °F





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 100 ft 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