

Project

Project Name	C9 Commercial Complex
Project Place	South 3 rd ring Fungthai district Beijing
Project Country	Peoples Republic of China
Total Complex Gross m ²	250.000 m ² . High: 100m
Owner	BEIJING JINSHI UNITE REAL ESTATE DEVELOPMENT CO.,LTD
Architect	BEIJING INSTITUTE OF ARCHITECTURAL DESIGN
Design Institute	BEIJING INSTITUTE OF ARCHITECTURAL DESIGN
E&M Consultant	BHCS E&M Technology Service Co., Ltd
Upgrade HVAC Consultant	BHCS E&M Technology Service Co., Ltd
Design Company drawings	Tekenbureau M. Kragten
Indoor Climate Calculations	Vabi Elements + VA 101+VA 102
Indoor climate	European Standard + Iso7730

Design and Construction period office towers

Total Office Gross m ²	127.000 m ² . High: 100. m
Design period	2012-2013
Construction Period	2013-2016

HVAC installation

Total fresh air supply	1,040,000 m ³ /h
Total exhaust air incl. toilets	900,000 m ³ /h
Number of AHU's	9 AHU each ± 80,000 m ³ /h 3 AHU each ± 95,000 m ³ /h 1 AHU each ± 35,000 m ³ /h
Energy Recovery winter	5,680 KW
Energy Recovery summer	2,485 KW
Installed cooling capacity	12,800 KW. (needed 80%)
Heating System capacity	3,800 KW. (needed 75%)
IVAV terminals	± 1,900
Ceiling + wall diffusers	± 4,800
BMS web stations	± 31
Controlled data points	± 66,834
Lon Controllers	± 2,340