

Project

Project Name	Court office Utrecht
Project Place	Utrecht
Project Country	The Netherlands
Gross m ²	34.000 m ² . New Building
Gross m ²	4.000 m ² . Utrecht Monument (1898)
Owner	ING Vastgoed B.V.
Architect	KPF London England
Dutch Architect	Daad Architecten Borger
Construction Company	J.P van Eesteren Rotterdam
Installation Company	GTI Utrecht

Design and Construction period

Design period	1992 - 1996
Re-design period	1997 - 1998
Construction period	1996 - 2000

Cost

Building cost	\$ 49.750.000,-	Excl. Ground cost
Installation cost HVAC	\$ 7.500.000,-	95%VAVI systems
Installation cost Electra	\$ 4.500.000,-	HF M5 Installation
Installation cost Security	\$ 5.500.000,-	Not include building cost

Rental

Lease out for 30 years	Dutch Government
Property management	Dutch Government (RGD)

Building space

Office Space	21.000 m ² (Flexible solution)
Court space	6.000 m ²
Restaurants	1.200 m ²
Meeting rooms	2.300 m ²
Parking aria basement	4.500 m ²
Cell area	1.000 m ²

HVAC installation

Total fresh air supply	460.000 m ³ /h
Total exhaust air incl toilets	420.000 m ³ /h
Number of AHU's	2 AHU each 230.000 m ³ /h 3 AHU each 57.000 m ³ /h
Heat recovery winter	2.250 KW
Cool recovery summer	810 KW
Installed cooling capacity	2.570 KW

Consist of 4 Air-Cooled York YCAJ water chillers each 392 KW and 3 Direct Expansion York YCUJ Chillers each 390 KW.

Heating System

District Heating 90°C 2 stations of each 900 KW

Air distribution System

Barcol-Air Airtrac stations	40
Fire dampers Barcol-Air	56
Barcol-Air VAV-I boxes	978
Supply air diffusers	4600

Parking Garage ventilation

Air displacement fan's	20
Exhaust fan's	2 each 120.000 m ³ /h
CO/LPG detection system	40 sensors

Building Management system

Invensys NETWORK 8.000	12 Outstations
Control panels	7
Amount of i/o	840
DDC - VAV controllers	1018
Graphical interface	Ultivist with 63 screens
Remote station	2