

## **Brussels International Airport Weather Radar System**

**Requirement:** Provide low level wind shear detection for a major international airport. In addition, provide weather radar imagery and products for general meteorology and water management.

**Solution:** A Radtec model TDR 43-250 C-band Klystron based weather radar system with a precision offset feed antenna, digital receiver, Sigmet RVP7 signal processor, Sigmet IRIS software and a network of workstations and radar display stations.

The following photographs illustrate the system installation.



**Belgocontrol Antenna & Pedestal Being Setup For Factory Testing**



**Closeup View Of Pedestal Mechanism**

**Brussels International Airport Weather Radar System**



**Radome, Antenna and support components prior to lifting into place.**



**Completed Installation**



**Belgocontrol TDR 43-250 During FAT Testing**

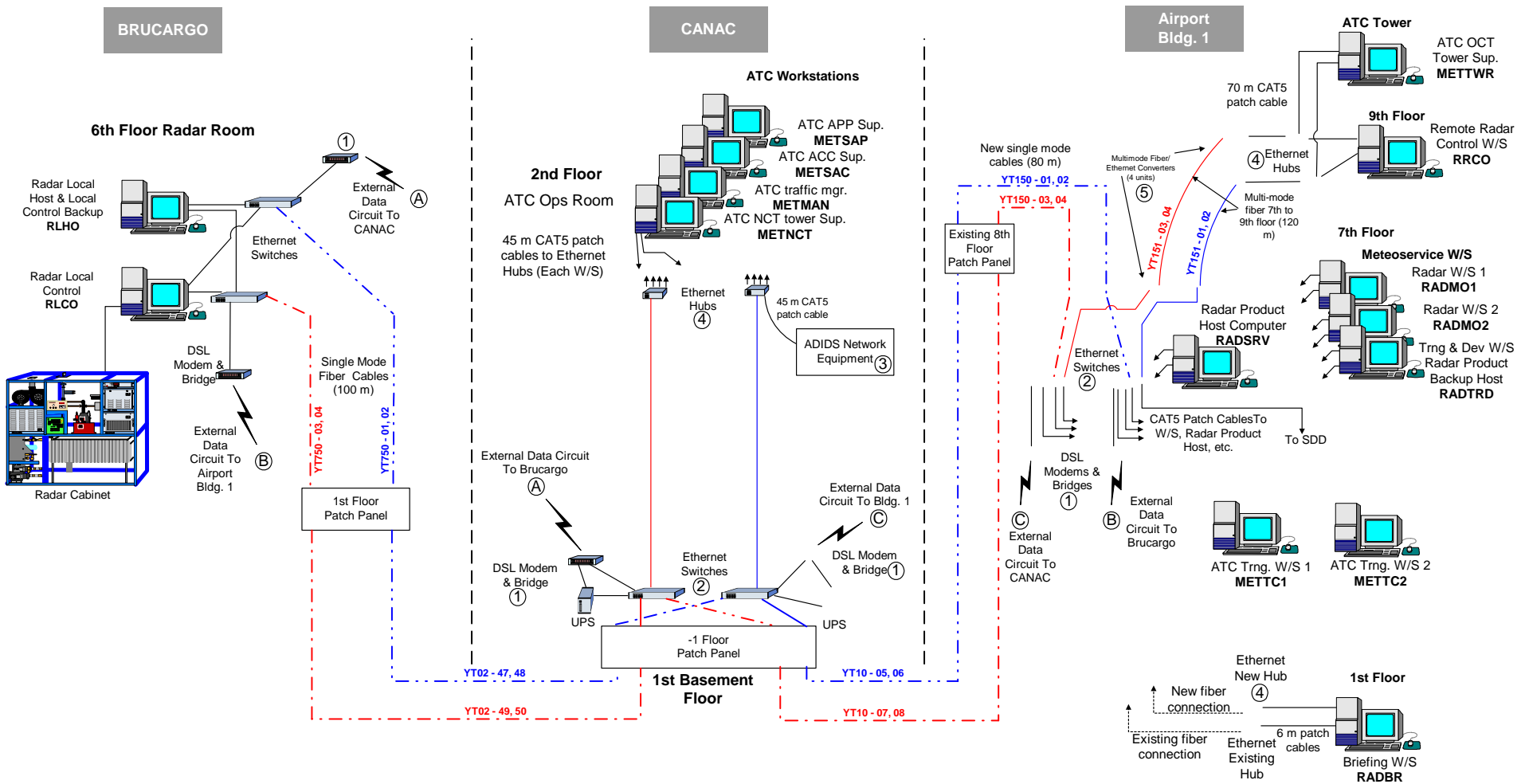


**Belgocontrol TDR 43-250 Operations Area At Brussels International Airport**

The diagram on the next page provides an overview of the radar data processing and distribution network. Radar data and analysis products are delivered to all users within the airport complex.



## Belgocontrol Weather Radar Data Network





Directie: E/P  
Dienst : E/P/SY-Met  
Referten: E/P/SY/553001/VBD/04971  
Datum : 27/01/2004

**For Mr. Greg Slater, Sales Manager, RADTEC Engineering**

Dear Sir,

Hereby I do confirm that a site acceptance review board was held for the new weather radar system for the Brussels National Airport on 26 November 2003. The site acceptance was succesfull and a official report of the site acceptance was handed over to the RADTEC project manager (Mr.K.Weaver) on 27 November 2003.

Sincerely

Dirk Vandenbergh  
Project leader  
E/P/SY-Met



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