Titre de la conférence
Le nouveau bâtiment des Archives nationales
The new building of the National Archives France

Intervenant/Speaker :
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Description de la conférence / Conference description

A new building for the National Archives France
Main targets of the project
Architectural competition
General organisation of the building with documents and plans.
Short distances for archive transfers (transfers and access)
Technical features of conservation building :
  Building physical features for an optimal conservation of archives :
  thermical inertia with compact organisation and thick concrete walls
  concrete with water quantity control
  Storage building materials and equipments with chemical control
  4 hours cut fire concrete walls
Dynamical technical equipments and intelligent system for a good conservation :
  previous targets - centralized technical management system
  fire detection and water mist protection
  Air treatment system and choosen values for temperature and RH.
Reading room furniture - organisation – ergonomic principles
Building global cost
Project schedule
Few pictures of construction sequences and operation calendar

Air conditioning system presentation for storages of the new building of the National Archives France :

Organisation of technical air conditioning equipments in comparison with storage organisation and building shape
Strategy for global HR control – fresh air equipment
Air conditioning delivery organisation
Diffusion mode – very high induction
Particular modes for ventilation
  Decontamination mode
  Periodique ventilation for wide storages
  Economic flow
Control mode - centralized technical management system - supervision
Target values for temperature and relative air humidity – regulation principles for a very slow RH evolution
Air conditioning treatment during filling up the storages
Energetic results in common speed