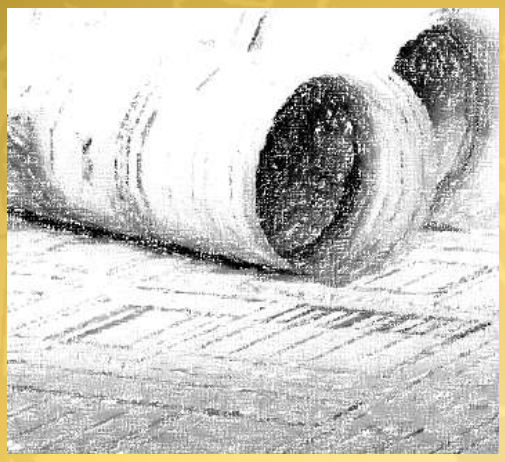
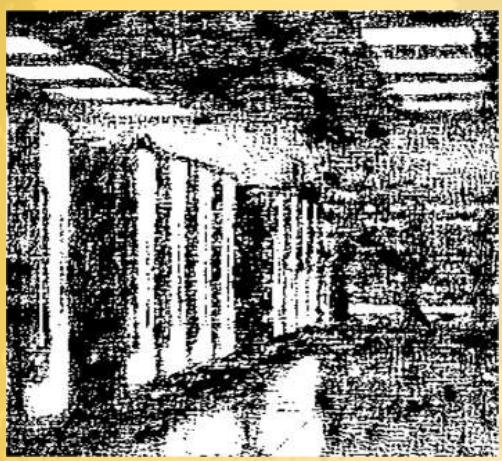


MEP PLANTROOM



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THE MEP PLANTROOM

Many large buildings, campuses, and other facilities have plants that make chilled water and distribute it to air handling units and other cooling equipment. The design operation and maintenance of these chilled water plants has a very large impact on building energy use and energy operating cost.

Not only do chilled water plants use very significant amounts of electricity (as well as gas in some cases), they also significantly contribute to the peak load of buildings. During this peak event, chilled water plants are often running at maximum capacity. When temperatures are moderate, chilled water plants are shut down or operated in stand-by mode. This variation in the rate of energy use is a major contributor to the peaks and valleys in energy demand, which is one of the problems that must be addressed by utility grid managers.

Most buildings and facilities that have chilled water plants have special utility rates where the cost of electricity depends on when it is used and the maximum rate of use. The price of electricity is several times higher during the summer on-peak than it is during the off-peak periods.

In addition to new construction, the chilled water plants of many existing buildings are being replaced or overhauled. Older chilled water plants have equipment that uses ozone-damaging refrigerants. International treaties, in particular the Montreal Protocol, call for ozone damaging chemicals (in particular CFCs) to be phased out of production. As the availability of CFCs is reduced, the price will skyrocket, creating pressure for chilled water plants to be overhauled or replaced.

THE PROFESSIONAL

Each and every one which involve in the design build construction projects are internationally certified and qualified to carry out their task, to fulfil to the customer expectation, namely;

ATD TIER
Si Lim Tan
Accredited Tier Designer
November 14, 2013
777 UPTIME INSTITUTE

LEMBAGA JURUTERA MALAYSIA

ASHRAE

CDCP
Certified Data Centre Professional

ASEAN ENGINEERING REGISTER

Engineering Council

WE SERVICE, MAINTAIN & SUPPORT

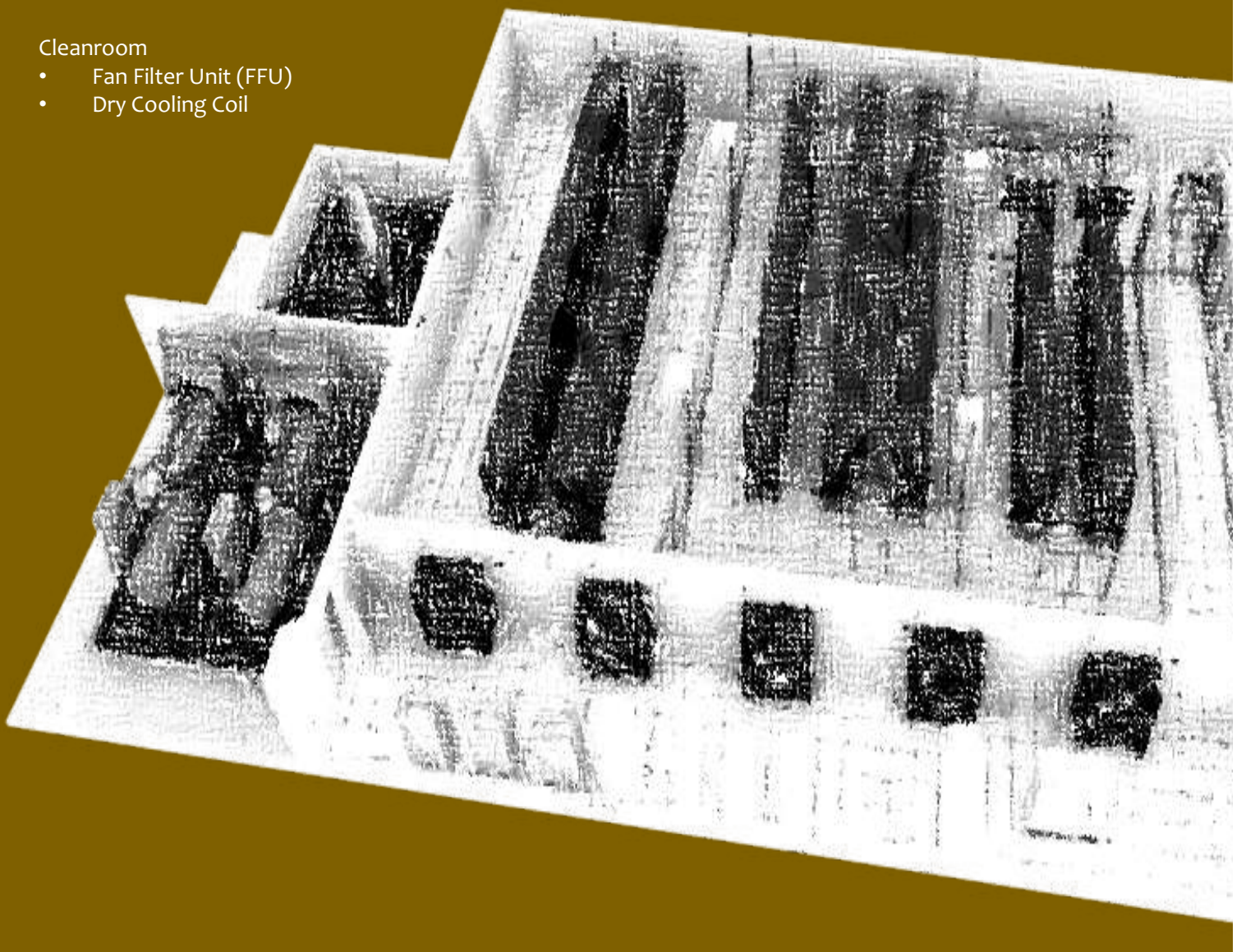
Data Center
- Computer Room Air Conditioning (CRAC)/ Precision Air Cond (PAC) / Fan Wall / In Row
- Uninterruptible Power Supply (UPS) & Batteries
- Power Line Conditioner (PLC)
- Water Detection System (WDS)
- Aspirating Smoke Detection (ASD)
- Transient Voltage Surge Suppressor (TVSS) & Automatic Transfer Switch (ATS)
- Environmental Monitoring System (EMS)/ Building Management System (BMS)

ACMV Plant Room
- Chiller
- Pump
- Cooling Tower
- AHU/MAU/FCU/ACSU

Process Utilities
- Compressed Dry Air (CDA) / Oil Free Air (OFA)
- High Purity Gas Piping
  - He
  - Ar
  - O_2
  - N_2
- Hot Water, Steam
- RO/DI
- Scrubber
- Exhaust

Cleanroom
- Fan Filter Unit (FFU)
- Dry Cooling Coil

24 HOURS A DAY
7 DAYS A WEEK
365 DAYS A YEAR



Our Presence

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