

Facility Management of Green Buildings:

Is it Easy / Difficult? Is it Cheap / Expensive?



Gregers Reimann

Managing director, IEN Consultants Sdn Bhd

Energy Efficient & Green Building Consultants

CONSULTANTS

Email: gregers@ien.com.my

Handphone: +60122755630

Website: www.ien.com.my











ST Diamond Building Facilities Management Experience & Lessons Learnt



IEN Podcast: Interview with Pn Hamidah (Head of FM) | Moderator: Mr Gregers (IEN Consultants)

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Façade cleaning every year, but.....



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...but still decided to go ahead after 3 years, also to check on façade gaskets/clips etc.



Daylighting systems

- Less use of electric lighting, less need to replace bulbs
- Good quality light bulbs





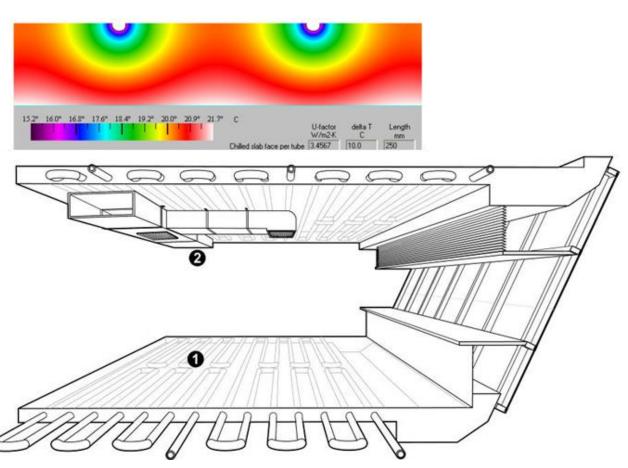
Pumps & Fans

 Variable Speed Drives (VSD) means smoother operation, less need to replace equipment



40% of Cooling from Slab Cooling Embedded in Reinforced Concrete Slab





Durability: Maintenance:

Lifetime of the building (approx. 100 years) Replace pump every 15 years



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SUMMARY:

Pn. Hamidah dispels the notion that green buildings are difficult and expensive to maintain. On the contrary, she has found it to be **easier** and **cheaper** than ordinary buildings, spending as little at RM20,000 per year for maintenance of this 14,000m2 office building.

Key lessons:

- All building need maintenance
- Do preventive maintenance
- BMS is useful tool for maintenance



Play 30-minute interview:

https://www.ien.com.my/post/interview-with-fm-is-green-building-operation-easy-difficult-cheap-expensive

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Maintainability is important. Ideally, design for no maintenance





Malaysia 200 30sen Malaysia 200 50sen Malaysia 200 Suruhanjaya Tenaga Diamond Building - part of the Energy Efficient Buildings stamp series, all buildings by IEN Consultants

Thank you



Gregers Reimann



IEN Consultants Sdn BhdEnergy Efficient and Green

Building Consultants

Syed Kechik Building, 8th Floor Jalan Kapas, Bangsar 59100 Kuala Lumpur, Malaysia



Phone: +603-2095 1233

E-mail: gregers@ien.com.my

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Sample Dashboard of ARC Platform for LEED v4.1

Speaker



Suwan Bonma

Senior Consultant (IEN Consultants) LEED AP (BD+C), USGBC Faculty Member

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