

BMS

The Good, the Bad and the Ugly





The Good

Top Challenges



Early Collaboration:

- Define Client Drivers and Expectations
- Early Engagement of Design Team
- Early Engagement of BMCS Contractors
- Program deliverables Why, When, and What?



The Good

Top Challenges



The right Team:

- Involve Building Operators and Users
- Consultants that are Controls Engineer
- BMCS Contractor has sufficient resources and experienced staff
- Work as a team



The Good

Top Challenges



Workshops and Building Tuning:

- Graphics Workshops
- Alarm Workshops
- Functionality workshop
- Building Tuning

“Everything should be made as simple as possible, but not simpler”
Albert Einstein



The Good



Disadvantages

1. Slightly Higher Cost
2. Time for workshops
3. Need to plan in advance

Advantages

1. Comfortable Building
2. Ease of Use
3. Energy Efficient





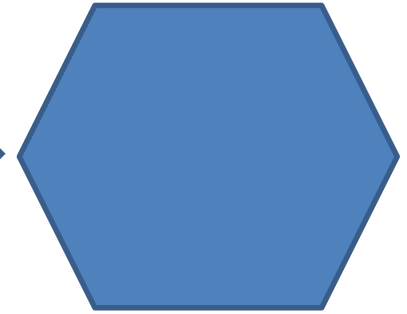
The Bad



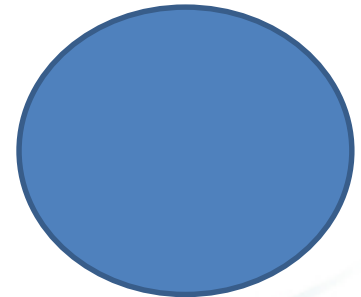
Brief



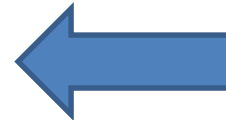
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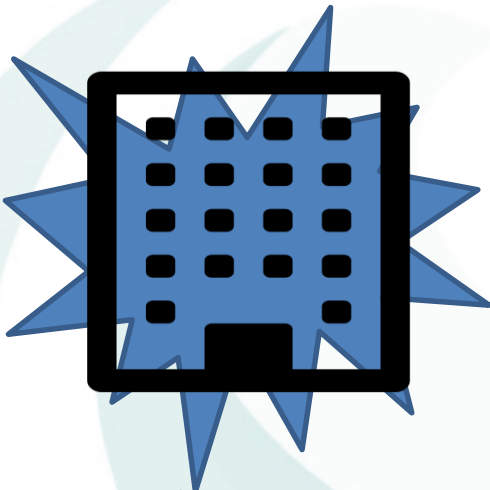
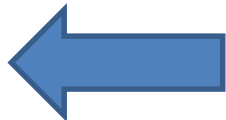
BMS FD



Programming



Installation and
Commissioning



Maintenance

The Bad



Advantages

1. Slightly Lower Cost
2. Slightly Shorter time frame for projects

Disadvantages

1. Not fully commissioned and tuned
2. Tenant complaints
3. Maintenance inherits issues from project
4. Further costs to get project where it needs to be
5. Higher Energy Consumption
6. Reduced life of building equipment



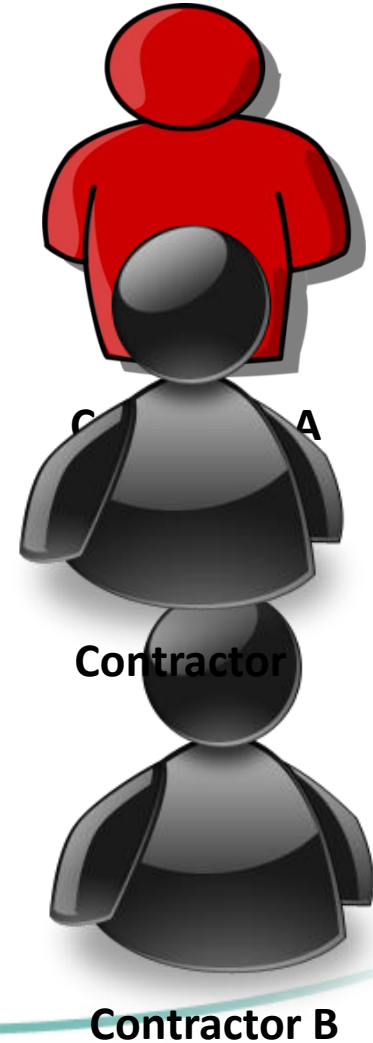


The Ugly

Head End

BIVIS

HVAC Controls





Thank You