

ME476C-001

Project 8

April, 19 2018

Team members:

1-Salem Alharban

3-Abdullah Ben Gheyam

2-Faiez Alazmi

4-Ahmad Mnaei

5- Abdulrahman Alazemi

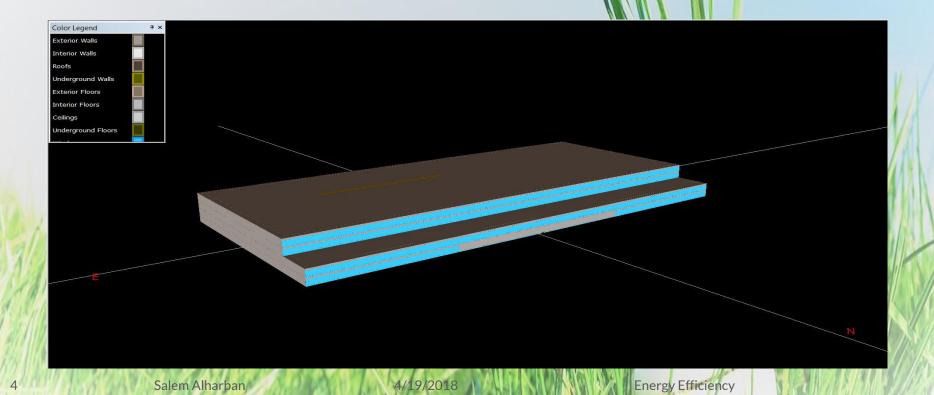
Project Description

The project consists of redesigning the control logic of Student Academic Services building to make it more energy efficient through modifying the HVAC

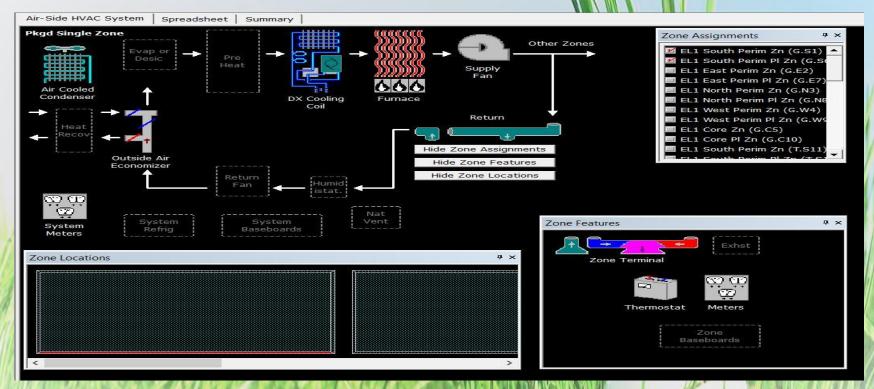
Ahmed Mnaei Energy Efficiency



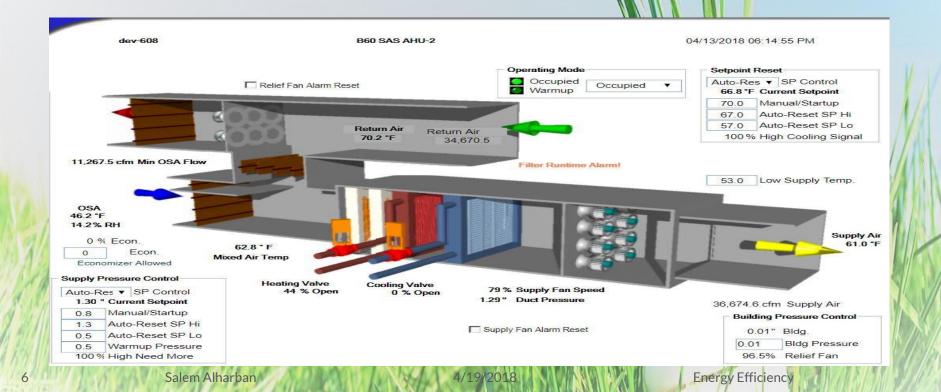
CAD "eQUEST"



CAD "eQUEST"



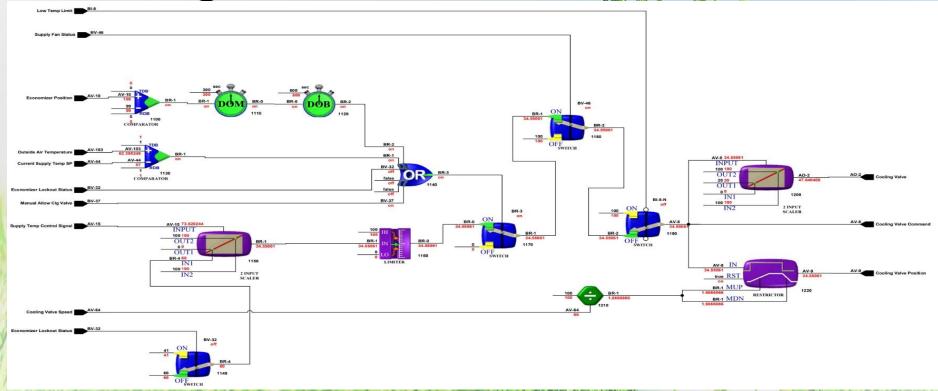
CAD "Alerton"





For this project the team does not have a bill of material since the logic is not be modified by any person but the vendor

Subsystem



CUSTOMER REQUIREMENTS

Customer requirement	Description
Reliability	The design should be efficient in conserving energy.
Maintenance	The design should be easy to maintain.
Foolproof	The design should be able to resist failure.
Affordable	The materials used should be easily affordable.
Save energy	The design should have energy saving devices installed.
Payback in five years	The project should be economically viable such that the payback period should not exceed five years.
Save money	The entire project should be economically viable.
Pollution	The project should be environmentally friendly by ensuring that no pollutants are released to the environment.

9 Faiez Alazmi Energy Efficiency

Gantt Chart

Faiez Alazmi

GANTT. project	夕	$\exists \sqsubseteq$	2018																				
Name	Begin dat	te End date	Week 12 ortarta	Week 13 0/25/18	Week 14 4/1/18	Week 15 48/18	Week 16 4/15/18	Week 17 4/22/18	Week 18 4/29/18	Week 19 56/18	Week 20 Srioria	Week 21 \$20/18	Week 22 \$/27/18	Week 23 aarta	Week 24 8/10/18	Week 25 6/17/18	Week 26 8/24/18	Week 27 7/1/18	Week 28 7/8/18	Week 29 7/15/18	Week 30 7/22/18	Week 31 7/29/18	Week :
	3/4/18	4/27/18		10000000	3/31/16	00000	000000	- XXX															
Final CAD	4/23/18	5/2/18							u V														
Website Check 3	3/29/18	5/2/18																					
 Final Prototype Sum 	4/23/18	5/4/18						-	, j														
	te 6/1/18	6/6/18																					
Website Check 1	6/5/18	6/13/18																					
Hardware Review 1	6/16/18	6/20/18																					
 Midpoint Report 	6/23/18	7/11/18																					
Hardware Review 2	6/21/18	7/11/18																					
 Drafts of poster 	7/12/18	7/15/18													100								
Website Check 2	6/14/18	7/25/18																			Ų		
Final Poster	7/15/18	8/1/18																		Ÿ.	1/2		
Final Report	7/25/18	8/7/18																					

Energy Efficiency

Scope of work

- eQuest:
 - Faiez , Abdulrahman and Abdullah
- Alerton:
 - Salem and Ahmad
- Logic:
 - All team members
- Analysing:
 - All team members

Budget

Cost Max: \$500,000.00

- Actual expenses: \$0
- Anticipated expenses:
 Through vendor quotation



