

# SALT Engineering, Consulting and Commissioning

Ready to support you for  
Testing, Adjusting, Balancing  
and/or Commissioning  
requirements

SALTecc.com



## International Reference Examples

- 2012 Theater Vehicle  
Maintenance Facilities, US  
Army
- 2012 Construct Airlift Shelter  
and Warehouse Buildings,  
US Army
- 2011 Renovation of Operation  
and Maintenance Facility,  
US Air Force
- 2011 Repair HVAC and DCW  
Systems in Airman  
Dormitory, US Air Force

## Who are we?

SALTecc was founded in 2011 to support the main players in construction market on Testing, Adjusting, Balancing (TAB) and Commissioning (CX) of Mechanical systems by taking into account of governing International standards. Our undeniable past experience on TAB and CX shows that we are ready to support you anywhere you need based on all your project requirements.



## Our past performance proves that we can make it.

The last 17 months show that our project completion performance proves the satisfaction of our international customers. We completed successfully over 178K sqf within this short period and still ongoing 147K sqf projects are under the responsibility of SALTecc.



## Testing, Adjusting and Balancing (TAB)

SALTecc has TAB Team members that are well experienced since 2006 by executing dozens of different projects

A well performed testing, adjusting and balancing (TAB) of a HVAC system is essential for the proper performance of that system and can enhance indoor air quality and efficiency.

In order to satisfy the project requirements, TAB agents need to be a part of the construction team as early as possible.

Design Intent as defined in ASHRAE Guideline 1 as a detailed explanation of the ideas, concepts, and criteria that defined work before starting. The design intent document utilized to provide a written record of these ideas, concepts, and criteria. Well- documented design intent benefits the engineer during the design process.

When objectives that are poorly defined at the beginning of the project, changes in the design may occur after the design is complete or worse. It helps the engineer to communicate his or her intentions to the design team. This early communication with the team as to get the expectations helps the engineer better define scope of the work and avoid making costly changes later. The definition of Design Intent has served the industry with varying degrees of success.

## Importance of TAB by following the Engineering Standards

HVAC System testing, adjusting and balancing (TAB) is the process of checking and adjusting all environmental systems in a building to produce the design objectives. The process to satisfy the requirements is accomplished by checking installations for conformity to design, measuring and establishing the fluid flow quantities of the system as required meeting design specifications, recording and reporting the results independently.

[Afcesa.af.mil/divisions/cem/index.asp](http://Afcesa.af.mil/divisions/cem/index.asp)





## 3<sup>rd</sup> PARTY COMMISSIONING SERVICES

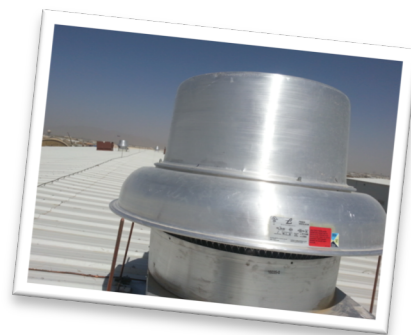
Commissioning (CX) is NOT just testing the systems at the end of the project. The professionals who have extensive experience on commissioning of systems including mechanical, HVAC, electrical and Building Management Systems (BMS), have founded SALTecc.

It is important to involve the independent commissioning authority as early in the project as possible. This allows the provider an opportunity to review the design intent or owner project requirement for the project, begin scheduling commissioning activities and writing specifications into bid documents for other contractors..

SALTecc is very experienced on Retro-Commissioning of existing building systems. We do believe that majority of existing buildings need to be either Re or Retro-Commissioned so that systems can function as they designed.

SALTecc is a member of ACG (AABC Commissioning Group) and has certified Commissioning Authority to execute all CX activities regarding ASHRAE and ACG CX guidelines.

<http://www.commissioning.org/membershipdirectory/international.aspx>



System commissioning is a joint effort including all system components serving the same zone.



We believe that the success comes with right information to serve the best to our unique customers.



Serving the customers with well-trained and dedicated personnel is a must. We believe that if we are equipped with the right information, then will never let our customers down when they need us.

## LEED, Energy and Refrigerant Management Services

SALTecc is a committed engineering company that wants to be a driving re-source to others seeking to achieve their sustainability goals. Engaged with years of successful O+M experience, SALTecc is eager to be a supporting partner of yours with the professional who is certified by USGBC.

Through in-depth field investigations over the years, our team discovered several ways in which the existing buildings can comply easily with LEED EB+OM by reducing energy consumption without making major changes to the systems' infrastructure. Working closely with facility staff and management, we developed significant, cost-effective enhancements to provide improvements while meeting code requirements, achieving rebate incentives from the electric and energy utility and incorporating customers financial priorities.

Additionally, to be a member of the residential LEED for Homes certification process, we have a specialist who was the member of a construction and CX team building +200 individual single housing units. We are proudly serve to LEED for Homes Projects with our certified Green Rater.

We believe that TAB and CX are two-linked processes and requires in-depth knowledge on US EPA regulations in accordance with Refrigerant Management.

Our company has specialist who are certified by EPA to handle refrigerant and refrigerant related retrofit or management projects.



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Please feel free to put  
in touch with us via  
contact information  
presented below.



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