

Schools for Knowledge Economy Project (SKEP)

Phase III- Package 1 & Package 2

Medanat and Contractor Site Staff Training

Location: Online Meeting

Time: 10:00 a.m. to 12:00 a.m.

Date: Saturday, March 29, 2021

Training Directors

Home Office Support:

1. Suhair Amarin- Project Director
2. Omar Nasrallah- Mechanical Engineer

SKEP III Staff:

1. Musab Khalil- Mechanical Engineer

Site Engineers

Medanat Staff:

2. Alaa Eleimat
3. Yousef Omar
4. Qais Lataifeh
5. Sadam Al-Bqaeen
6. Taher Al Ribie
7. Ammar Gharaibeh

Contractor Staff:

8. Tharwa Malkawi
9. Anas Shdefat
10. Abdullah Al Husban

Fresh Graduates Engineers:

1. Ghaith Otoum
2. Wesam Ankir
3. Maram Abu Awad
4. Areen Khreisat
5. Khalid Al-Jahaleen
6. Sarah Al Ali
7. Aya Al Abed.
8. Dema Dababseh.
9. Abdullah Al Dabbas
10. Ghassan Ajjori
11. Ayman Ayasrah

Purpose of Site Staff Training

Training program focusing on one or more of the following topics:

1. Health, Safety and Environment.
2. Production of visual documentation through videos and photography.
3. Advanced Materials for Construction and Repair of Concrete.
4. Construction Quality on Site.
5. Construction Supervision Skills.
6. Electrical Works.
7. Mechanical Works.
8. Issues Related to Work Shop Drawings, As Built Drawings, Approvals and Similar.
9. Utilities and Infrastructure.
10. Municipalities Regulations.
11. Construction Ethics.

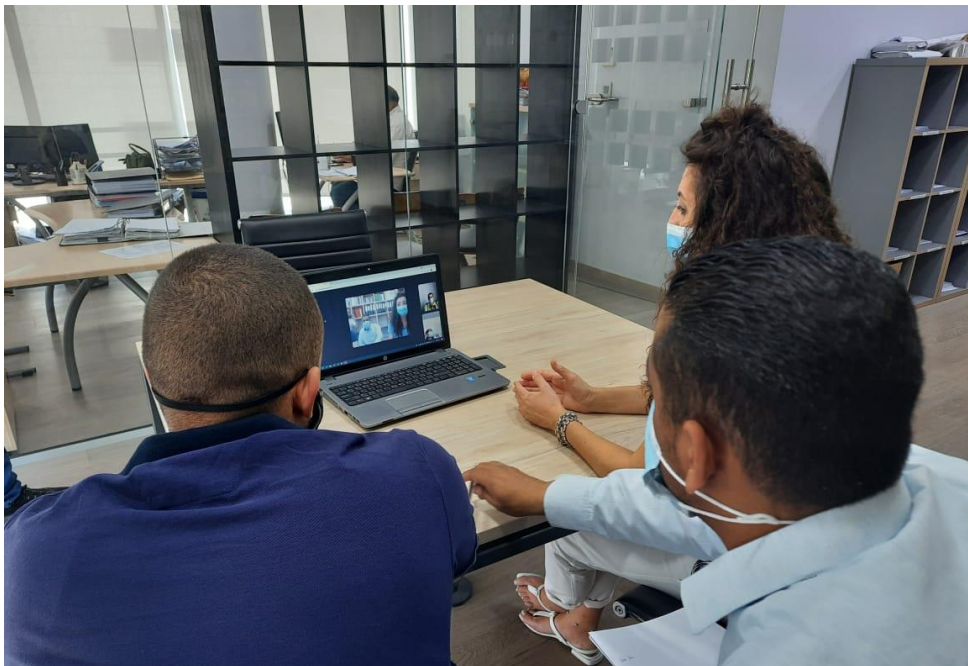
March 29, 2021 Training Material:

Awareness of mechanical design drawings and implementation on site

- 1- Checking all mechanical rooms dimensions and verifying that all mechanical equipment can be installed easily inside in a manner that facilitate maintenance and equipment maneuvering.
In the same manner all mechanical rooms' access (doors) shall be checked so that all equipment can move freely through them. For example, ensuring the dimensions of the boilers and the appropriateness of the room door measurements to allow the movement of the boiler through it.
- 2- Provide and study all mechanical services inside the mechanical shafts and make sure that the shaft dimensions are sufficient to accommodate all services, taking into account all other accessories such as thermal insulation and necessary supports.
- 3- Studying the locations of the indoor and outdoor units of the air conditioning split units, as there are limitations to the lengths of copper pipes connecting the indoor and outdoor units according to capacities and manufacturers, in addition to the necessity of providing places for installing copper pipes that are compatible with architecture and coordinated with the structural engineer.
- 4- Studying the specifications and requirements of the special equipment that will be installed in the project and finding out what services are needed from cold and hot water, drainage, gas lines, chimneys ... etc. For example, fume hood unit that will be installed inside the laboratories, this equipment needs a gas line and a chimney to deliver the combustion products to the outside.
- 5- Studying the locations of drain, rainwater and condensate risers, which must be coordinated with the structural beams to avoid any future problems. In the same manner all pipes installed below slab on grade shall be studied with foundation layout. Minimizing all structural elements crossing shall be considered.



Trainers gave a brief about the awareness of mechanical design drawings and implementation on site



SKEP III site staff and fresh graduate engineers participating in the training