

# **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 11:00 a.m.

Date: Sunday, April 17, 2022

#### **Training Director:**

#### **Home Office Support:**

1. Suhair Amarin- Project Director/Head of Design Department

#### **SKEP III Staff:**

1. Natheer Amarin- Project Manager

#### **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:**

1. Amer Abdulghani/ PM
2. Khalid Bazian/ PM
3. Tharwa Malkawi
4. Abdulmalek
5. Rami Al-Haj
6. Sahar Sulaiman
7. Anas Shdefat
8. Abdullah Al Husban
9. Walaa Khreisat
10. Omar Hammori

#### **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
12. Ahmad Al-Madhoun

## **Purpose of Site Staff Training**

### **Training programs 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.

## **April 17, 2022 Training Material**

### **Construction (Best Practices in The Post-Pandemic Era):**

- From building hospitals in just a few days to donating lifesaving equipment, the industry has played a critical role in responding to the crisis and in the recovery. The industry represents 13 percent of global GDP, and unlocking currently constrained labor availability could help drive recovery while addressing the most pressing construction-related needs.
- But as mostly all other industries, construction has also suffered since sites were shut down, difficulty in importing required materials, Safety and a long list of other damages.
- Since we all are working the construction industry, and in the engineering field in general, we noticed these pressing issues ourselves and they certainly affected the project timeline, labors, and activities which stop for a while at the site as a result of the lockdown.
- We are fortunate that humanity gained a expert way in dealing with such harsh working conditions, and the best practices to get back on our feet as both companies in specific, and industry in general, are:
  - Accelerate rollout and adoption of digitization. There is no time to experiment with the perfect road map. Organizations must instead enable well-proven remote use cases. For contractors, this may mean scaling up remote collaboration at the production stages using a digital model or urging for minimal manning at site offices.
  - Balancing performance and health is critical at any point in time—and it's that much more important in these turbulent times. Industry players must invest proportionately in culture to erode not only risks related to remote work but also apprehension across the workforce regarding job security and productivity. Moreover, there is no better time to upskill the entire workforce and require training on new tools and technologies and operating procedures. Many of these activities can benefit employees by encouraging greater engagement among one another.
  - Resource allocation posed a significant challenge for construction. Therefore, companies should establish a central monitoring function that can rapidly identify and respond to resource-allocation needs across the portfolio. In addition to systematic assessment of the parts of the portfolio that may be affected by COVID-

19, these capabilities can include real-time transparency on project process, material inventory, subcontractors, services, and costs.

- Bolster supply-chain resilience. Most industry players have already reviewed their supply chains for vulnerabilities due to the pandemic; they must now look at options for fortification- such as building inventory, identifying backup distribution channels, and recruiting direct labor to replace subcontractors. These could lead to greater consolidation and vertical integration of the value chain not only to minimize risk but also drive future productivity. Indeed, today's fragmented and multilevel contracting practices often hinder large-scale changes in ways of working, rollout of digital tools, general investments, and R&D.