



Dar Al Riyadh Insight #42

Logistics – Packaging, Shipment Protection, Labeling, and Tracking

Dar Al Riyadh Insights reflect the knowledge and experience of our Board, executives and staff in leading and providing PMC, design and construction management services. Dar Al Riyadh believes in the importance of broadly sharing knowledge with our clients and staff to improve project outcomes for the benefit of the Kingdom of Saudi Arabia.

Logistics management requires granular input into **packaging, shipment protection, labeling, and tracking** capabilities. For example, for major equipment for which requisite spares have been identified, should these be shipped with the principal equipment or separately? Should components be labeled with barcodes or RFID tags? Should written documentation related to installation be included with shipped components, mapping them to site installation needs?

One aspect of packaging that is often underserved is its impact on the waste stream. Mixed waste packaging (steel bands, plastics, and cellulose materials such as wood or cardboard) is more likely to end up in a rubbish heap when contrasted to single material packaging (all cellulose, for example). Similarly, structural aspects of prefab assemblies or modules are often strengthened with temporary steel to address transport load. This steel needs to be removed at site. It then usually ends up in the waste stream. An alternative would be to design the assemblies or modules to eliminate this extra packaging component so it can be removed from the construction site waste stream.