

Etihad Rail 2F1 O & M Depot Project **Overview**

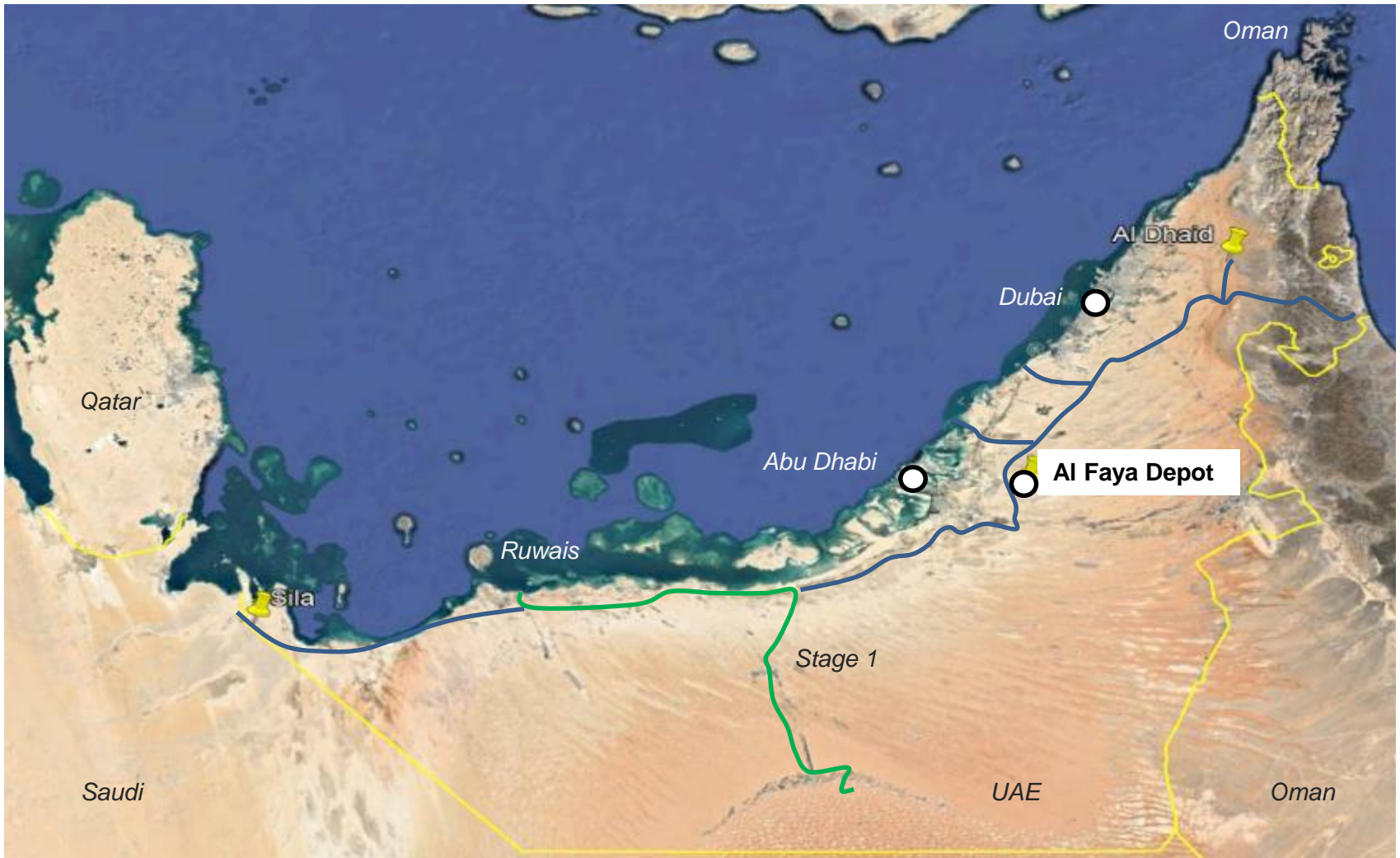


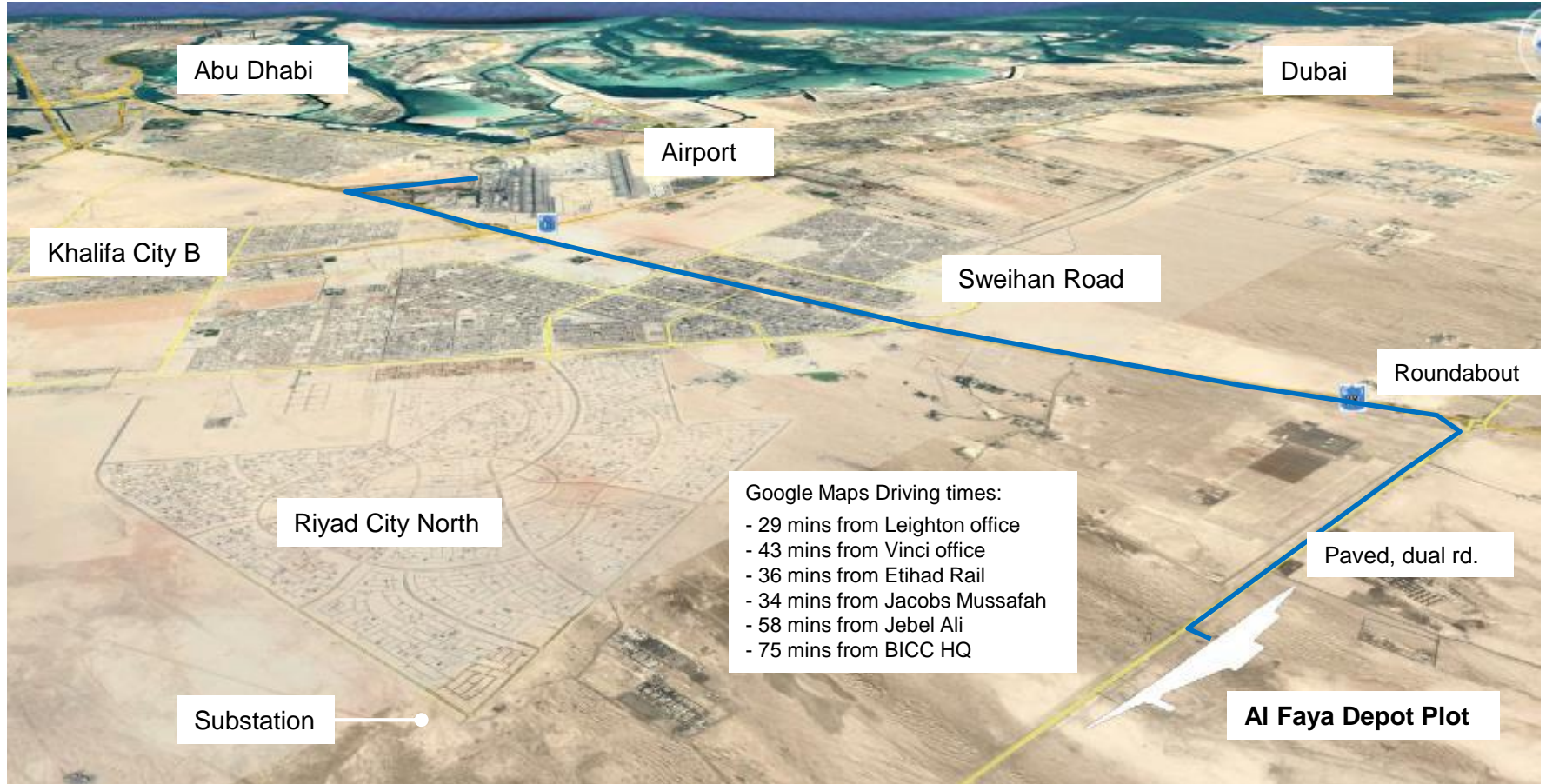
Project Name	Contract D0201 Pck. 2F1 D&B of Rail O&M Facility / Depot
Description	Design, build, with options for maintenance of the facilities of main depot at Al Faya
Purpose	Light and heavy maintenance of Etihad Rail network fleet of rolling stock
Location	Al Faya, Abu Dhabi, 20 mins drive towards Sewihan from Abu Dhabi airport
Design	Contractor Design, construction, installation, testing and commissioning
Client	Etihad Rail Company PJSC (Etihad Rail)
D&B Contractor	55% Vinci / 45% BICC-Leighton Contracting
Project Design Team	egis (PMC), Jacobs (Eng.), interfaces: Pck. 2B China Rail / Ghantoot JV Pck. 2S Hitachi
Contract type	Fixed Price Lump Sum, with milestone payments
Duration	1,184 days with milestones
Commencement date	5 January 2020

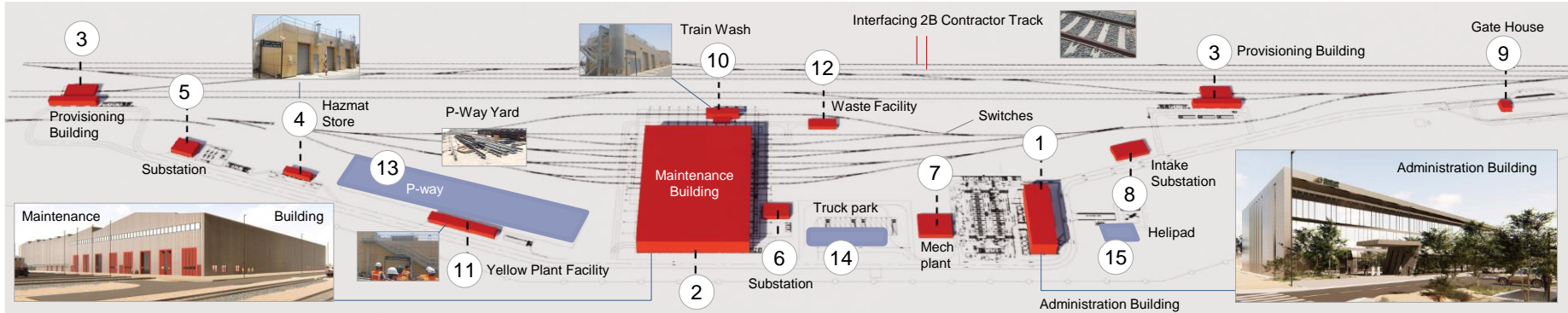


- Etihad Rail, UAE rail construction authority
- To build 1,200 km passenger & freight rail network for the UAE, and connect to KSA, Oman
- Chairman HH Sheikh Theyab bin Mohamed bin Zayed Al Nahyan
- Stage 1 AED 3.6 bil. 264 km freight line awarded 2011. Now complete and operating.
- Stage 2 Pck. A AED 1.5 bil. awarded March 2018, Pck. B & C AED 4.4 bil. awarded June 2019
- Ongoing tenders: Package D (mainline), F2 (freight)
- Current or forthcoming tenders: rolling stock, systems
- To come (after 2020): Stage 3 - under client design









BUILDINGS



1. Administration Building
2. Maintenance Building
3. Provisioning Building
4. Hazmat Store
5. Distribution Substation
6. Maintenance Substation

OTHER

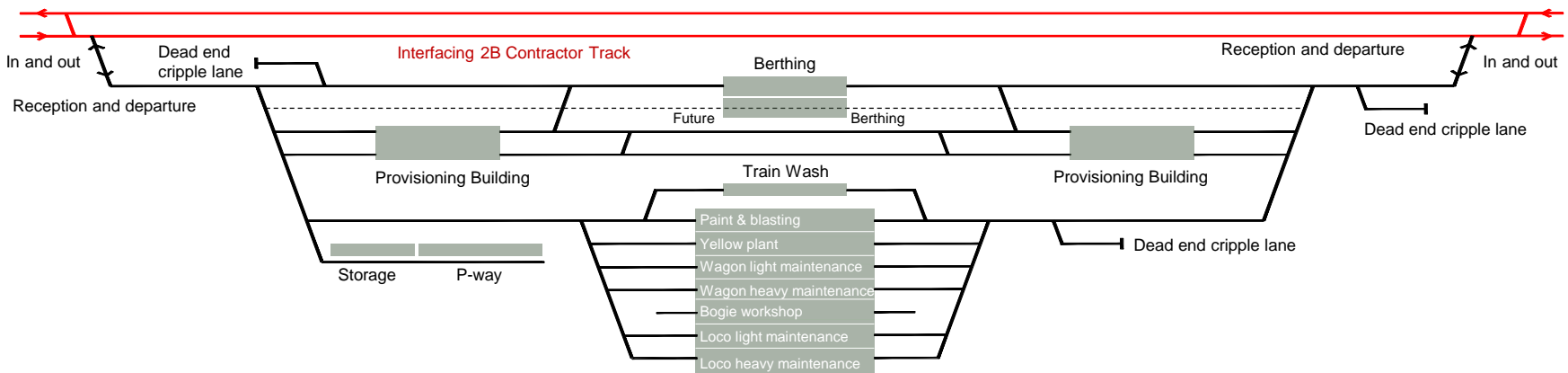


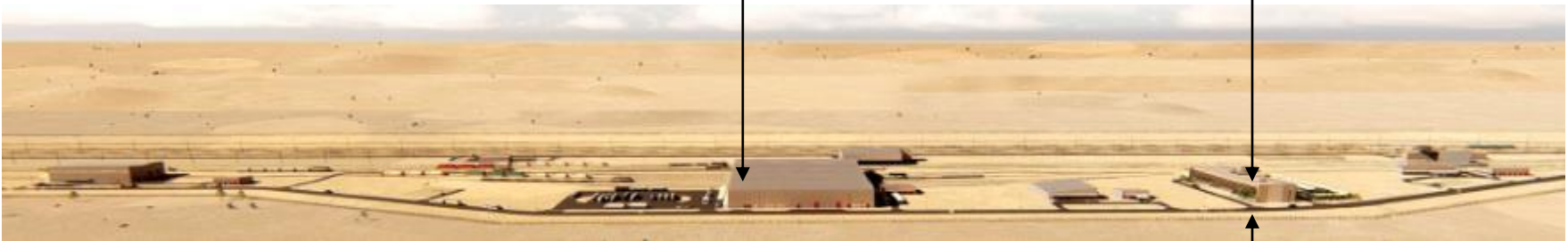
7. Mechanical Plant
8. Intake Substation
9. Gate House
10. Train Wash Facility
11. Yellow Plant Facility
12. Waste Management Facility

13. P-Way Yard
14. Truck Parking
15. Helipad
16. 2F1 Track

Key Interfaces

- 2B Mainline (China State) ———
- 2S Systems (Hitachi) ———





Subcontract Packages

- Earthworks
- Structures & buildings
- Trackworks
- Power & other utilities
- Building MEP



Supply

- Rail, rail fasteners, switches and crossings
- Ballast, sleepers, concrete, reinforcement
- Specialist equipment, lifting jacks, gantry cranes
- Wagon shop cranes, slings, straps and chains
- Air extractors, lathes, axle crack detector
- Wagon lifting spreader beam, wheel balancer
- Bogie assembling bench, trailer for forklift
- Stub seat and bore lathe
- Bearing on/off press, coupler crack detection
- Paint and blast shop, workshop jacks, crane, stands
- Loco battery charger, hydraulic fluid cycling/filtration trolley
- Coolant recovery system, workshop access staging
- Loco roof access platform
- Workshop painting facility, air extraction system
- Depot protection system
- Fuel, sand, fluid dispensers and storage
- Mobile hydraulic jacking and slewing equipment
- Forklifts, tag readers and LAN connection
- Fall-arrest systems, lifting jacks, gantry cranes
- Wheel-set storage

