

ATLAS TECHNOLOGIES

CASE STUDY FOR 60-90 TPH
MOBILE ASPHALT DRUM MIX PLANT
OMAN.



CLIENT REQUIREMENT

The customer is a road contractor in Oman. Customer had studied our website and their requirement was for our 60-90 tph mobile asphalt plant.

CUSTOMIZATION

The combined aggregate storage needed to be 56 T, bitumen tank required was 30 T, LDO tank of 4000 liters, pollution control unit with double venturi and PLC panel.



SOLUTION OFFERED

All the customizations were taken care of with some changes in the layout of the mobile plant to suit customers requirement and most importantly keeping in mind that each unit should fit into a 40 HQ container.

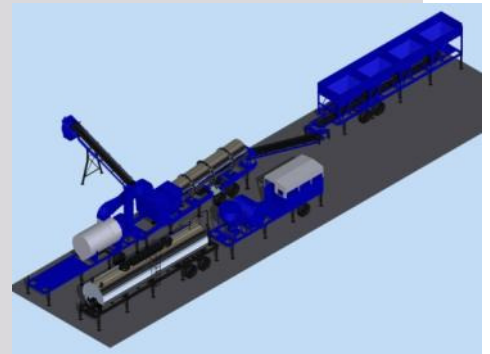
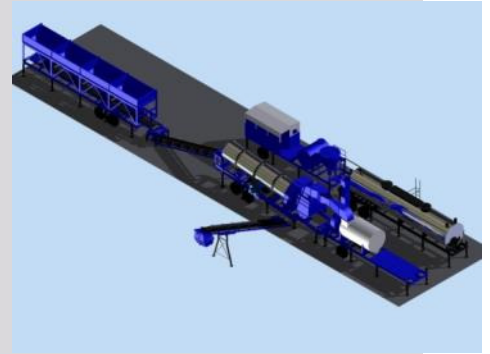
For transportation and setting into the container, we made feeder mobile in with two axles; drying and mixing unit on two axles; bitumen tank (30 T) without pumping station on two axles; cabin, lime filler and LDO tank on one axle; venturi type pollution control unit on 1 axle with some space for generator. All these units were interconnected by internal cabling and junction box to the panel making the plant truly mobile and quick to start. Helical gears (in-line type) were used in the conveyors.

A visit to our existing plant in India and feedback from our local customers helped the customer in taking decision.

Pic 1 & 2: Layout of the plant.

Pic 3: PLC control panel.

Pic 4 Junction box is provided on each chassis.



FINAL PRODUCT AND LOADING

The delivery of the equipment was done on time.

Below are few pictures during the loading of the equipment.



INSTALLATION & COMMISSIONING

Atlas supported the customer to get the plant installed and commissioned in Oman. One mechanical technician from Atlas visited to assist the mechanical work and one electrical technician visited to assist in the electrical work and calibration of the plant.

Onsite operator training for running the plant and trouble shooting was also given. Below are the pictures of the installed plant.



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