

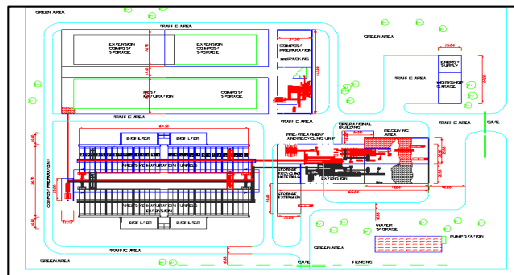
# MSW Treatment Centre Doha, Qatar

Emirate of Qatar

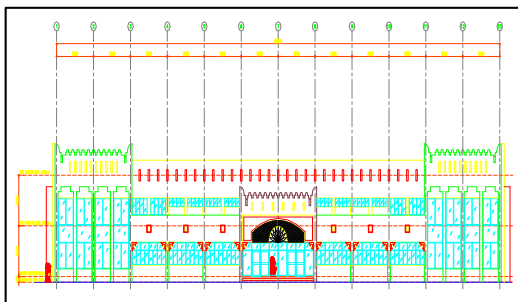


Upgrading of the waste management system of Qatar

Waste treatment centre for construction rubbish, hazardous waste, hospital waste, anaerobic digestion plant, composting plant and residues



Lay-out of composting plant



example building front

## Project characteristics composting plant

- Treatment of waste
- aerated tunnel composting
- compost refining
- process water treatment
- bad odour purification

## Project characteristics landfill site

- capacity 1,000 tons per day
- dumping height: up to 20 m
- asphalt base sealing
- asphalt top sealing
- leachate collection and treatment
- landfill gas collection and treatment
- dumping area
  - 1<sup>st</sup> step: 12 ha
  - in total: 48 ha

### key data at a glance

start of work .....	2002
construction rubbish plant .....	22 ha
hospital waste plant .....	19 ha
anaerobic digestion plant.....	18 ha
landfill site area 1 <sup>st</sup> step .....	1.620.000 m <sup>3</sup>
composting plant .....	310.000 t/a

## Tasks of AWIPLAN-PPD

- Masterplan for the new waste treatment centre
- design work for transfer stations
- design work for landfill site
- design work for composting plant
- architectural design
- site survey
- soil investigation
- license design