



Unfolding the Master Plan for Dubai



Gary Bugden

INNOVATION AND KNOWLEDGE FOR COMMUNITIES

Where is the United Arab Emirates?



Where is Dubai?



About Dubai

- **2nd largest Emirate of the 7 United Arab Emirates**
- **Area of 3885 sq km**
- **700 km coastline (increased to 1,700 km)**
- **Population 1.5 million**
- **Average annual rainfall 130mm**
- **Temperature range 10° - 50° Celsius**
- **Average summer temperature 41° Celsius**

About Dubai (Continued)

- **Dynamic and diversified economy**
- **Very little oil reserves**
- **Major business centre**
- **Strategically located**
- **Biggest re-exporting centre in Middle East**
- **Ruler is His Highness Sheikh Mohammed bin Rashid**

(Ruler of Dubai, Vice President and Prime Minister of the UAE)

Dubai's Strategic Plan 2015

Focuses on 5 sectors –

- 1. Economic Development**
- 2. Social Development**
- 3. Infrastructure, Land and Environment**
- 4. Security, Justice and Safety**
- 5. Government Excellence – eGovernment**

eServices/ePay/ePark/eBrochures/eComplain/eHost/
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Infrastructure, Land and Environment Plan

Aims –

To ensure a proper focus on sustainable development within the context of Dubai's considerable economic growth by adopting an infrastructure, land and environment sector plan which aims at 4 core areas –

Infrastructure, Land and Environment Plan (Continued)

1. Urban Planning

Optimize land use and distribution while preserving natural resources

2. Energy, Electricity and Water

Provide efficient energy, electricity and water supplies to meet Dubai's growing needs

3. Roads and Transportation

Provide an integrated roads and transportation system to facilitate mobility and improve safety

4. Environment

Maintain Dubai as a safe, clean, attractive and sustainable environment

Worlds and Cities

Dubailand

- **Islamic Culture and Science World**
- **Aviation World**
- **Kids World**
- **Teen World**
- **Space and Science World**
- **Giants World**

- **Festival City**
- **Sports City**
- **Golf City**
- **Education City**
- **Internet City**
- **International City**
- **Medical City**
- **Motor City**
- **Maritime City**
- **Humanitarian City**
- **Industrial City**
- **Aid City**
- **Media City**
- **Academic City**
- **Outlet City**

Let's tour Dubai



Map_of_Dubai.pdf

The Classic Comparison

Sheik Zayed Road – The Main Street



1990

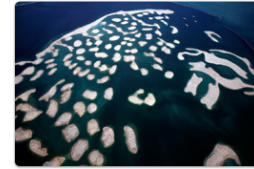


2007

The Palm Jumeirah



The World



Dubai Marina



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Burj Dubai



Arabian Canal



- **75km canal**
- **Around 150m wide and 6.2m deep**
- **Revetment walls, sand bottom**
- **Surrounded by a “city within a city”**
- **Master planned**
- **Cost estimated at US\$61 billion, being –**
 - **US\$11 billion for the canal**
 - **US\$50 billion for the communities**
- **Scheduled canal completion date 2010**

Dubai Waterfront

- **Largest reclamation project in the world**
- **Twice size of Hong Kong Island (1.4 billion ft²)**
- **Projected population of 1.5 million people**
- **Adds 70km of coastline to Dubai**
- **3.52 million m³ are reclaimed each month – enough to fill Wembley Stadium 3 times**
- **60,000 construction workers – all accommodated on site**
- **3,000 construction vehicles currently used**
- **23% of the Arabian Canal is included in the project**



Prime Sites



Emaar Communities

(Example of a completed project)



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Ski Dubai

Mall of the Emirates



- 22,500m² of snow fields
- 5 runs (varying in difficulty, height & gradient)
- Longest run – 400m (with fall of 60m)
- Temperature is -1° to -2°



Dubai Metro

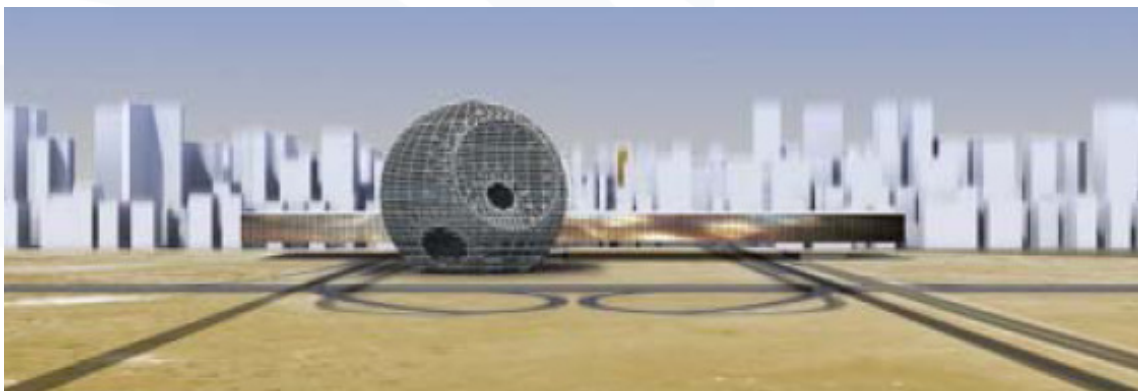
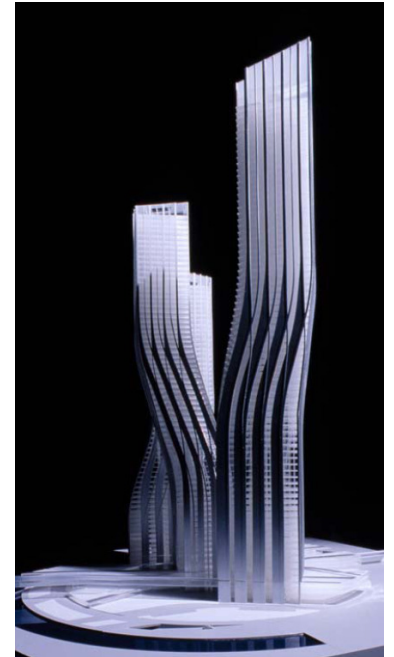


Photograph provided courtesy of the Government of Dubai, Department of Tourism and Commerce Marketing

- **Most advanced urban rail system in the world**
- **Elevated and underground**
- **“Park and Ride” system**
- **4 inter-connecting lines**
- **47 stations**
- **Driverless trains**
- **Luxury, Ladies and Economy Classes**
- **Costing A\$4.5 billion**

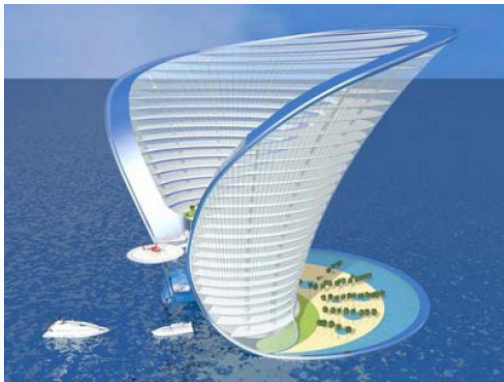
The Future

(All confirmed projects)



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The Future ...

(All confirmed projects)



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The Future in the Making

- The Cloud, proposed for Dubai
- Resort City – 300 metres in the air
- Supported by slanting legs of “rain”



And, a thought to remember

**The best way to predict
the future is to invent it.**

Alan Kay





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