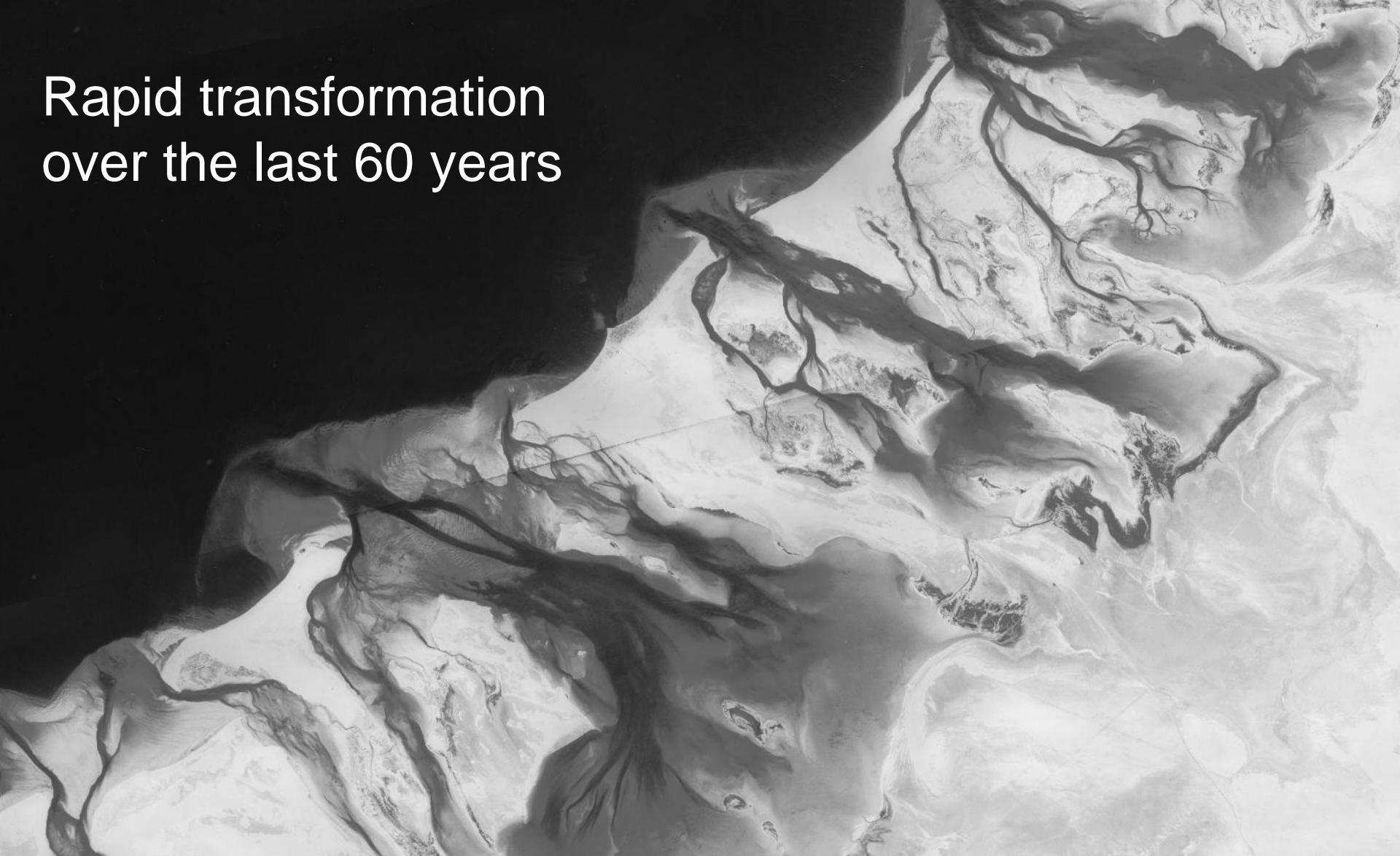




Abu Dhabi: Learning from 60 years of planning and urbanization

Abu Dhabi: 1960

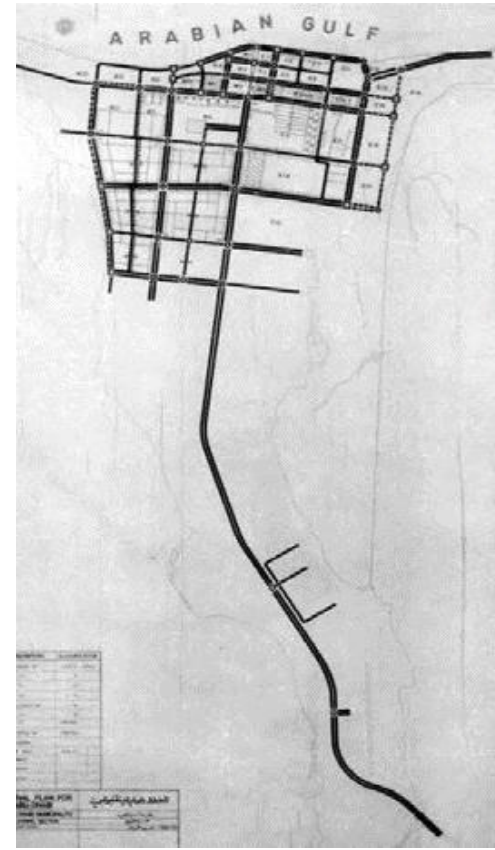
Rapid transformation
over the last 60 years



Abu Dhabi: 2015



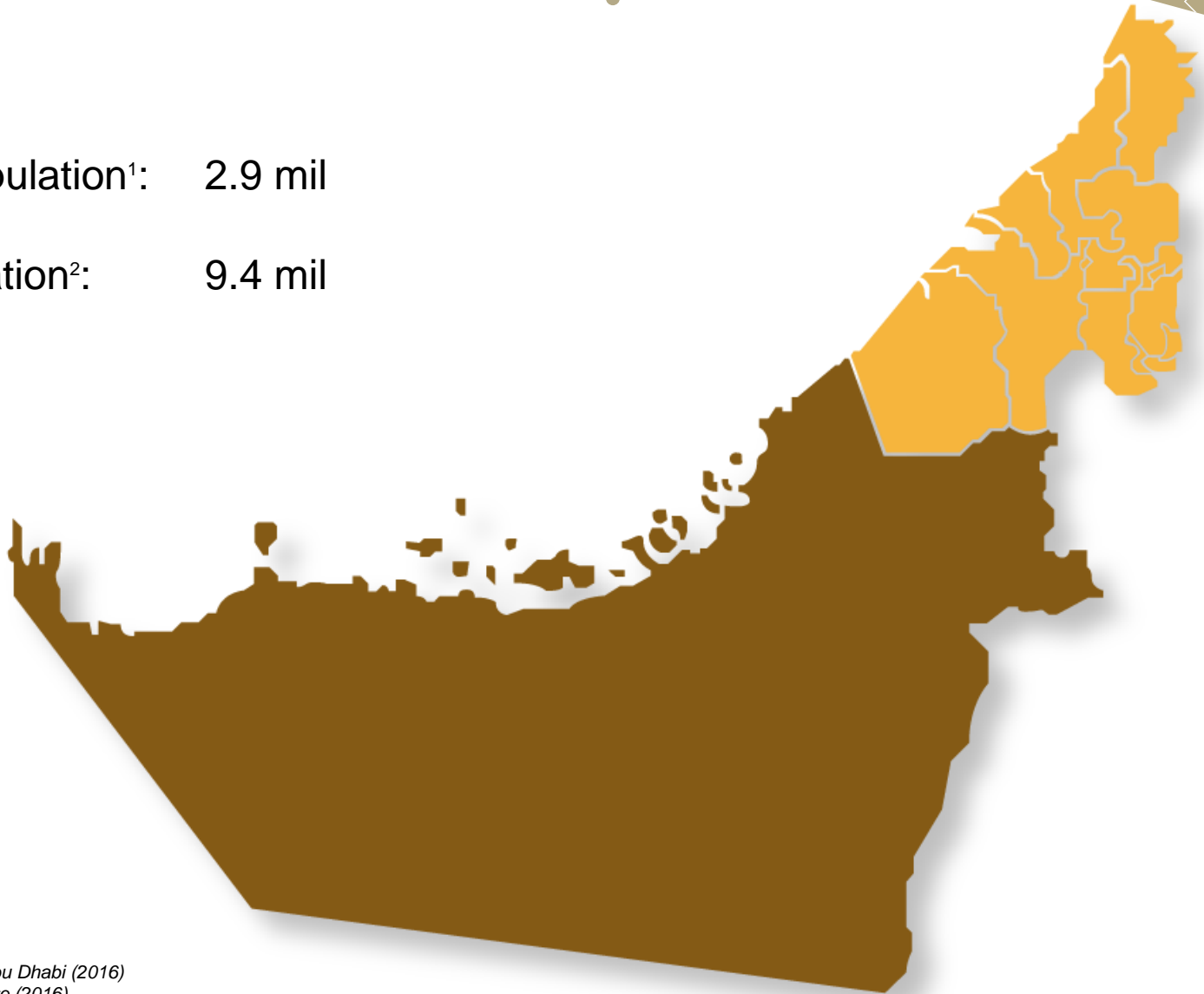
The evolution of planning in Abu Dhabi



Abu Dhabi Emirate & the UAE

Abu Dhabi
Emirate Population¹: 2.9 mil

UAE Population²: 9.4 mil



1. Statistics Center Abu Dhabi (2016)
2. World Bank estimate (2016)

Abu Dhabi
2030 رؤية
Vision

**ABU DHABI
ECONOMIC
VISION 2030**

**ABU DHABI
URBAN PLANNING
VISION 2030**

Combining the Economic and Urban Planning Visions

Economic Vision 2030

“Abu Dhabi as a sustainable, diversified, highvalue-added economy that encourages enterprises and entrepreneurship and well integrated in the global economy leading to better opportunities for all. ”

**“For Abu Dhabi to
continue to create a
confident, secure society
and to build a sustainable,
open and globally
competitive economy.”**

Urban Planning Vision 2030

“Developing plans and policies that shape Abu Dhabi Emirate as the leading global 21st century Arab capital and ensuring factors such as sustainability, infrastructure capacity, community planning and a high quality of life for all.”

*H.H Sheikh Khalifa bin Zayed Al Nahyan,
President of the UAE and Ruler of Abu Dhabi*

The DMT Roles

The DMT has five key roles to fulfill to support the implementation of the Abu Dhabi Urban Planning Vision 2030.

The Roles of the DMT

1

Develop
comprehensive
plans

2

Assist in the
implementation
of all plans

3

Develop
regulations,
guidelines and
policies

4

Review and
assess major
strategic
developments

5

Ensure
Estidama
principles of
sustainability
are embedded

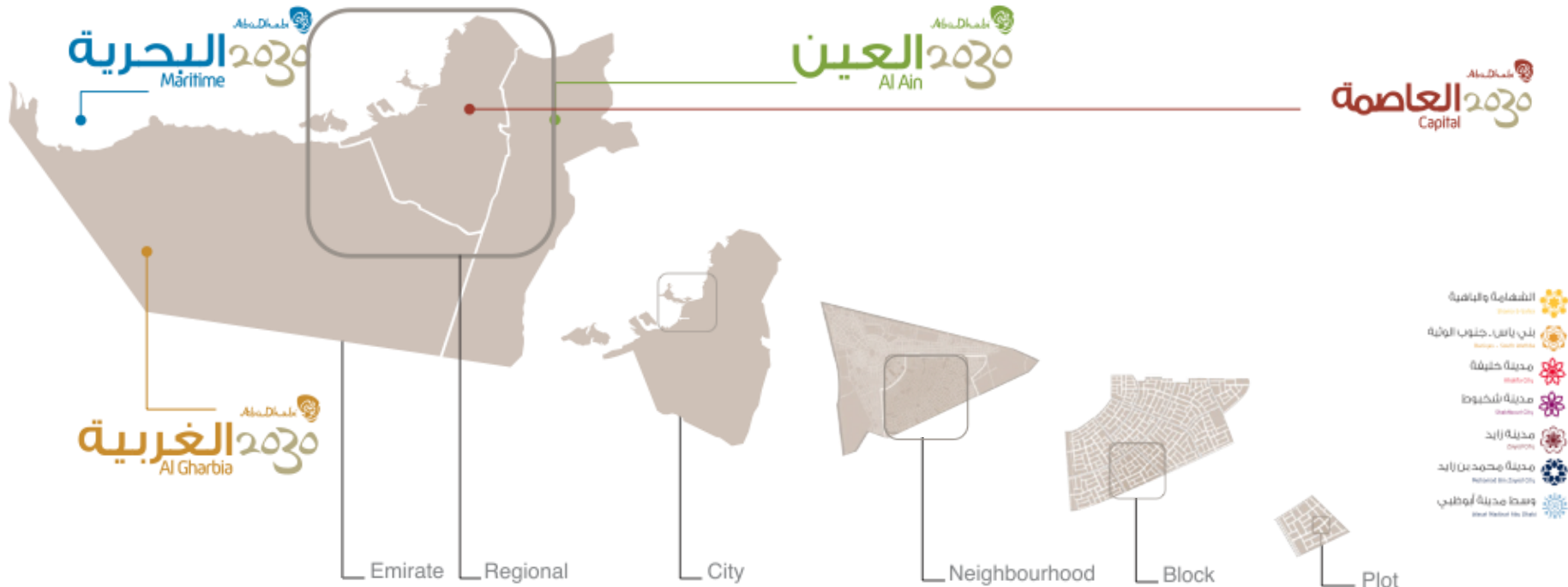
Hierarchy of Urban Planning Documents



Emirate-wide Development Strategies

Abu Dhabi
رؤية 2030
Vision

استدامة
estidama



Urban Planning Documents at work



Estidama Pearl Rating System

Prescribes mandatory minimum sustainability requirements and guidelines for the construction of all villas, buildings, and communities.

Lowers power, water, and material demand by enhancing efficiency.

Safety and Security Planning Manual

Provides a complete set of protective security and crime prevention guidelines in building and landscape design.

Improves safety at a lower cost; reduces costly retrofitting.

Community Facilities and Services

Ensures the adequate number and distribution of mosques, community facilities, and open space.

Optimizes investment in facilities while enhancing access.

Street and Public Realm Design (RoWs)

Creates 'complete streets', ensuring land use efficiency through right of way and utility design guidelines.

Enhances efficiency by decreasing width of right-of-ways.

Complete Sustainable Communities

Planning Manuals Suite - Benefits

Benefits	      						
	Pearl Villa Rating System	Safety and Security Planning Manual	Mosque Development Regulations	Community Facility Planning Standards	Public Realm Design Manual	Urban Street Design Manual	Utility Corridor Design Manual
 Streamlined approval	●	●	●	●	●	●	●
 Identification of requirements	●	●	●	●	●	●	●
 Reduced Capital Costs	●	●	●	●	●	●	●
 Reduced Maintenance Costs	●	●	●	●	●	●	●
 Greater land efficiency	●	●	●	●	●	●	●
 Efficient land-use distribution			●	●	●		
 Optimised location	●	●	●		●		
 Reduced Energy consumption	●		●	●	●	●	●
 Reduced Water consumption	●		●	●	●	●	●
 Reduced Accidents		●	●	●	●	●	
 Crime Reduction		●		●	●	●	
 Improved public Health	●	●	●	●	●	●	
 Increased Civic Pride	●	●	●	●	●	●	●
 Culturally specific	●	●	●	●	●	●	●

Benefits – Street and Public Realm Design

Residential streets are
10 meters narrower

More sustainable,
easier and cheaper to
build





Estidama Successes



14,212 Villas

has been awarded a Pearl Rating across the Emirate

3,848

1 PEARL

10,362

2 PEARLS

1

3 PEARLS

1

4 PEARLS



Estidama Pearl Rating System (PRS)

Covering 1,755 developments and 23.2 Million m² GFA



Midfield Terminal Building

Largest singular building to be rated globally



Abu Dhabi Schools

151 buildings with total rated floor area greater than 1.86 Million m² GFA

FLAGSHIP DEVELOPMENT

Sheikh Zayed Desert Learning Centre

5 PEARLS ●●●●●

IRENA HQ

4 PEARLS ●●●●●

Abu Dhabi Louvre

3 PEARLS ●●●

Zayed National Museum

3 PEARLS ●●●

Masdar Siemens Building

3 PEARLS ●●●

Imperial College London Diabetes Centre

2 PEARLS ●●

Estidama School Engagement



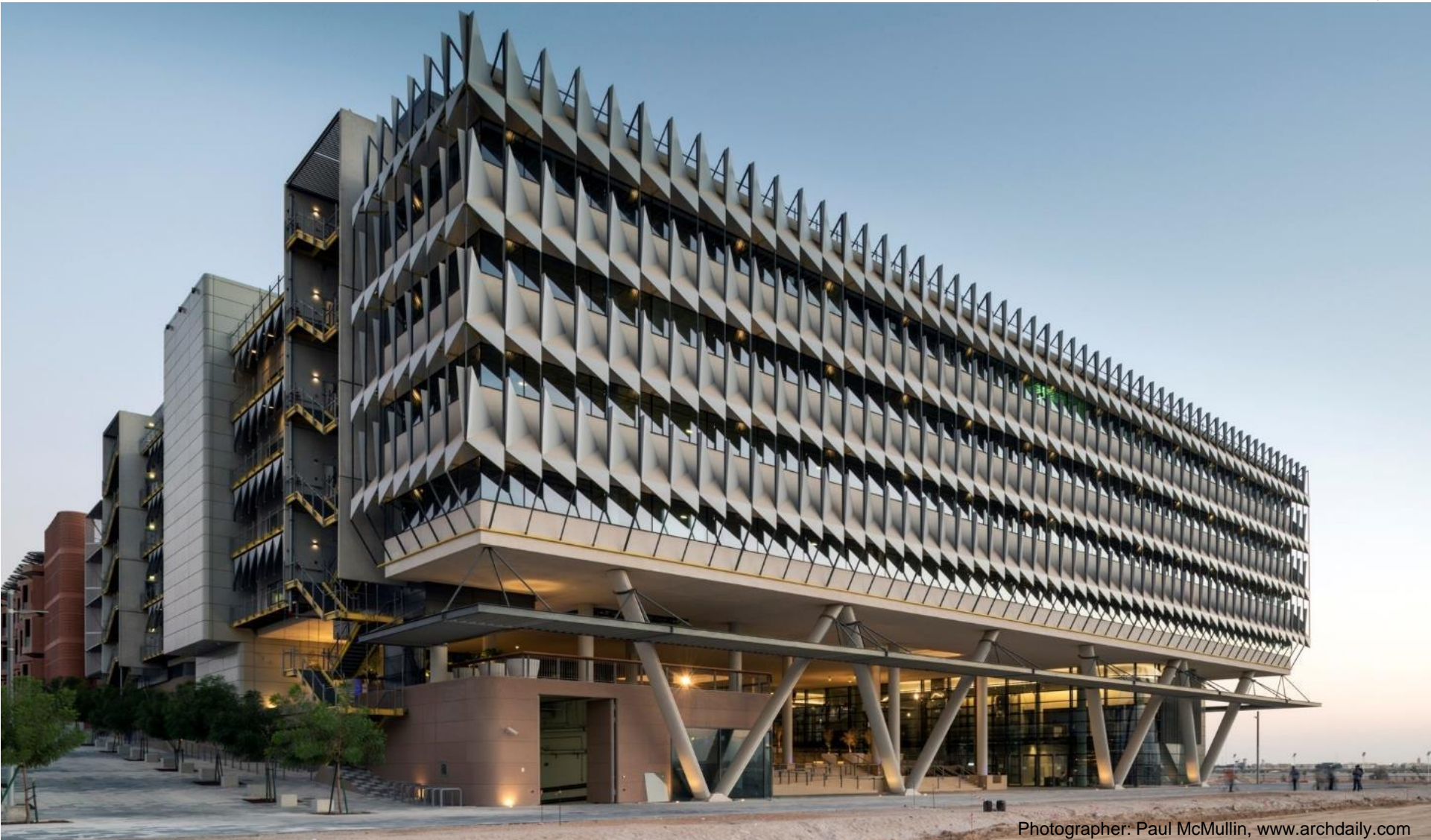
Sheikh Zayed Desert Learning Centre



IRENA Headquarters, Masdar



Siemens Headquarters, Masdar



Photographer: Paul McMullin, www.archdaily.com

Estidama Training Program



استدامة
estidama

2011 to 2019:
500+ training sessions
over 13,600 attendees



Shukran.