

INDUSTRIAL REVOLUTION 4.0

in Gulf is shaping the new era
of manufacturing.



FROM STEAM TO AI: THE EVOLUTION OF INDUSTRY

The First Industrial Revolution harnessed steam power to mechanize industries.

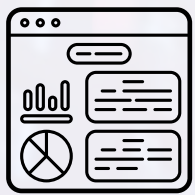
The Second Industrial Revolution introduced electricity and mass production, fueling global trade.

The Third Industrial Revolution brought computers, automation, and the internet, creating the digital age.

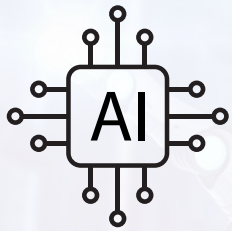
The [Fourth Industrial Revolution](#) is reshaping how we live, work, and connect. Driven by breakthroughs in AI, IoT, robotics, and advanced automation, it merges the physical and digital worlds – creating both immense opportunities and new challenges.

A NEW ERA OF MANUFACTURING

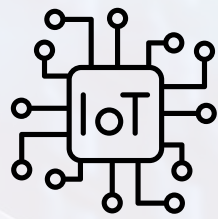
The Gulf is moving from traditional factories to smart, connected, and automated production systems.



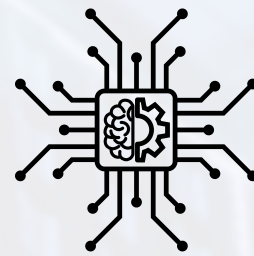
Advanced
Analytics



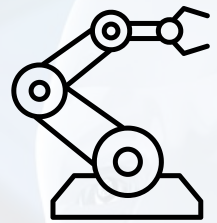
Artificial
Intelligence



Internet of
Things



Machine
Learning



Robotics

Technology convergence across industries is accelerating innovation, particularly in AI, biotech and sustainability, pushing us closer to the **fifth industrial revolution.**

CENTRE FOR THE FOURTH INDUSTRIAL REVOLUTION

The Gulf is emerging as a hub for the Fourth Industrial Revolution.

- **Qatar** C4IR (launched Dec 2024) drives AI, IoT & sustainable tech.
- **Saudi Arabia & Oman** opened new centres in 2025.
- **UAE** strengthens focus on energy transition & cybersecurity.

These hubs are creating supportive ecosystems with policies, partnerships and funding that make the Gulf an attractive destination for global investors and innovators.

CENTRE FOR THE FOURTH INDUSTRIAL REVOLUTION



Centre for the Fourth
Industrial Revolution, **Saudi Arabia**

AI, autonomous systems,
Quantum technologies, Smart
cities

Centre for Space Futures
Saudi Arabia

Space economy



Centre for the Fourth
Industrial Revolution, **Oman**

AI, Energy,
Quantum technologies



Centre for the Fourth Industrial
Revolution, **Qatar**

Advanced manufacturing,
TradeTech



Centre for the Fourth Industrial
Revolution, **United Arab Emirates**

AI

 Existing centres  New centres



Source: World Economic Forum



We connect AI innovators and smart solutions providers with manufacturers and the right partners.

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