

January 2024



QUALITY INDEED
Consulting Ltd.

CIRCULAR ECONOMY SOLUTIONS

Sunil Thawani, CEO

Company is registered with Abu Dhabi Department of Economic Development and KEZAD

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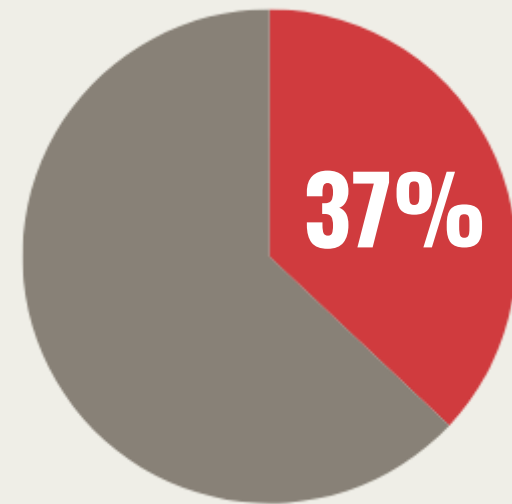
Circularity is not just a nice to have,
it's an absolute **must-have**
because at the end of the day
it's an **efficiency** and an **affordability** agenda.

- Valerie Hickey,
Global Director for Environment and the Ocean,
The World Bank



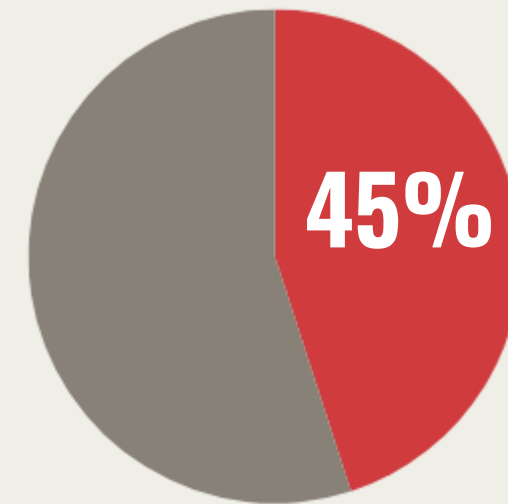
IMPACT OF LINEAR ECONOMY IN BUILT ENVIRONMENT

2nd



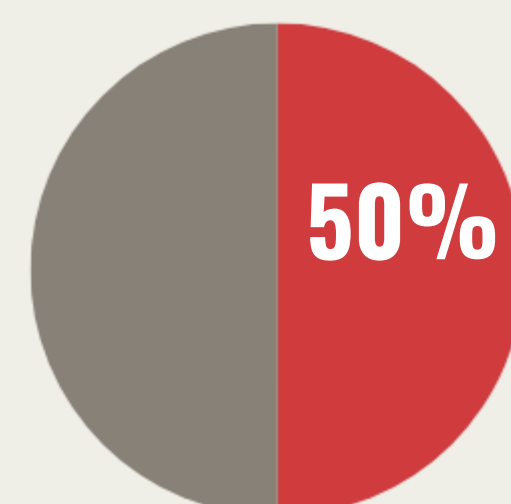
GHG Emissions

Out of 75% of annual global greenhouse emissions from the built environment, buildings on their own account for 37%.



Materials Extraction

40-50% of extracted materials are used for housing, construction and infrastructure.



Solid Waste

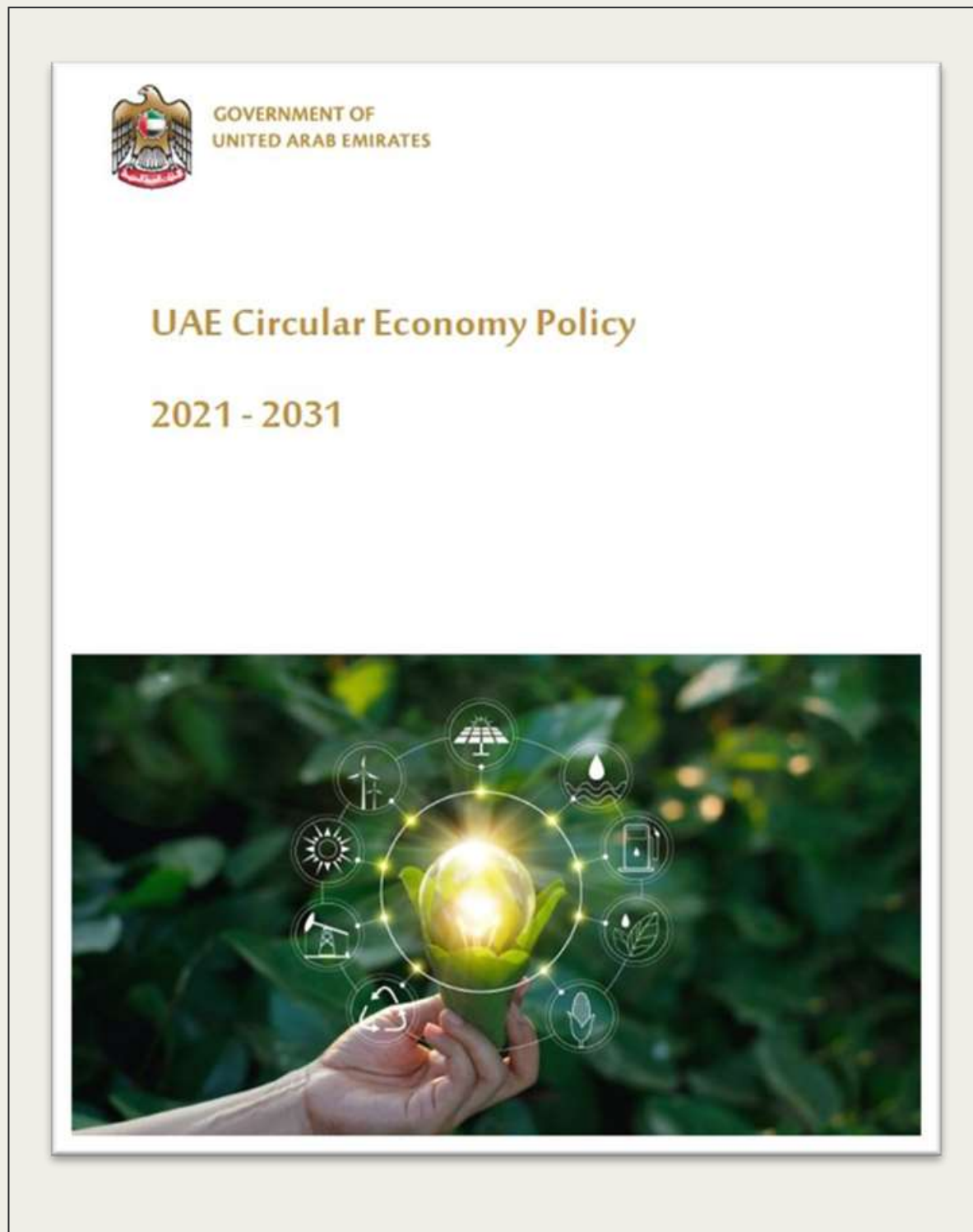
Building materials account for half the solid waste generated every year worldwide.

Largest Contributor

Housing, at 13.5 billion tones of emissions, has the second largest contribution emissions footprint.



THE UAE CIRCULAR ECONOMY POLICY 2021-2031



Manufacturing



Infrastructure



Food Production
and Consumption



Transportation



- Smart and sustainable urban plans.
- **Green building design and construction.**
- Utilization, renovation and upgrade of buildings and infrastructure.



CIRCULAR ECONOMY IN BUILT ENVIRONMENT

Circular House:

- Optimizes use of resources.
- **Minimizes** waste and pollution.
- Built to last.
- Designed for **disassembly**.
- Increases reuse of products.
- Expandable, **flexible** and adaptable.
- Prefers environment friendly materials.



Brummen Townhall, The Netherlands
*is designed for disassembly, where 90% of
the materials can be dismantled and reused.*



BENEFITS OF CIRCULAR ECONOMY

Environmental

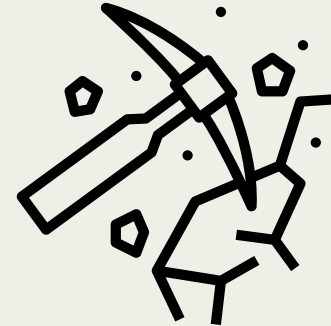
Opportunities for:



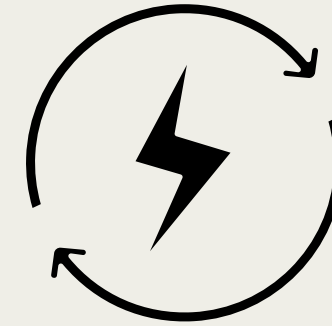
Greenhouse gases reduction



Waste reduction



Efficient use of raw materials



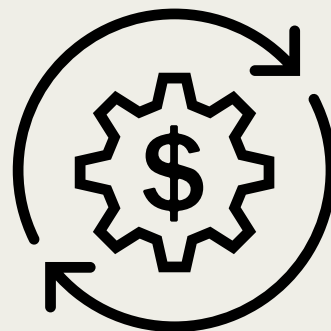
Energy savings



Climate change mitigation

Economic

Opportunities for:



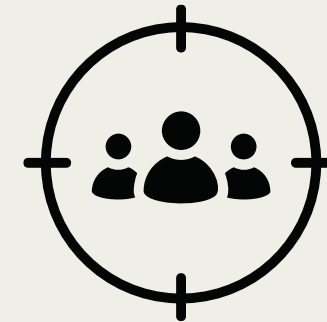
Cost efficiency and material savings



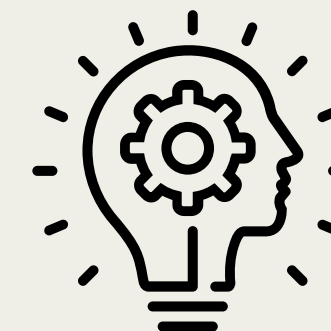
Job creation and skills diversification



Competitive advantage



Market expansion



Innovation



OUR PURPOSE

To **help** organizations transit from Linear to **Circular Economy** and integrate the model in routine operations through

- **advisory** services, ● assessment, ● education.



OUR SERVICES

Strategy

Develop and integrate circularity into the organization strategy and objectives, cascade it down, and develop appropriate initiatives.

Change

Enable teams to successfully adopt circularity and manage change in their work.

Compliance

Comply with the Government regulations on environmental sustainability and circularity.

Systems

Establish management systems for circularity and sustainability.

Implementation

Help organization implement principles and practices of Circular Economy.

Education

Customized trainings and workshops on sustainability and applying circular economy principles for your business.

KPI

Establish measurements for circularity and sustainability.
Circular economy performance management.

UN SDGs

Map organization activities to the United Nations Sustainable Development Goals (SDGs).
Enhance awareness and understanding of SDGs.

Innovation

Design products, services, and infrastructure to maximize value and minimize waste.

Collaboration

Involve your partners in the supply chain to enable circularity.



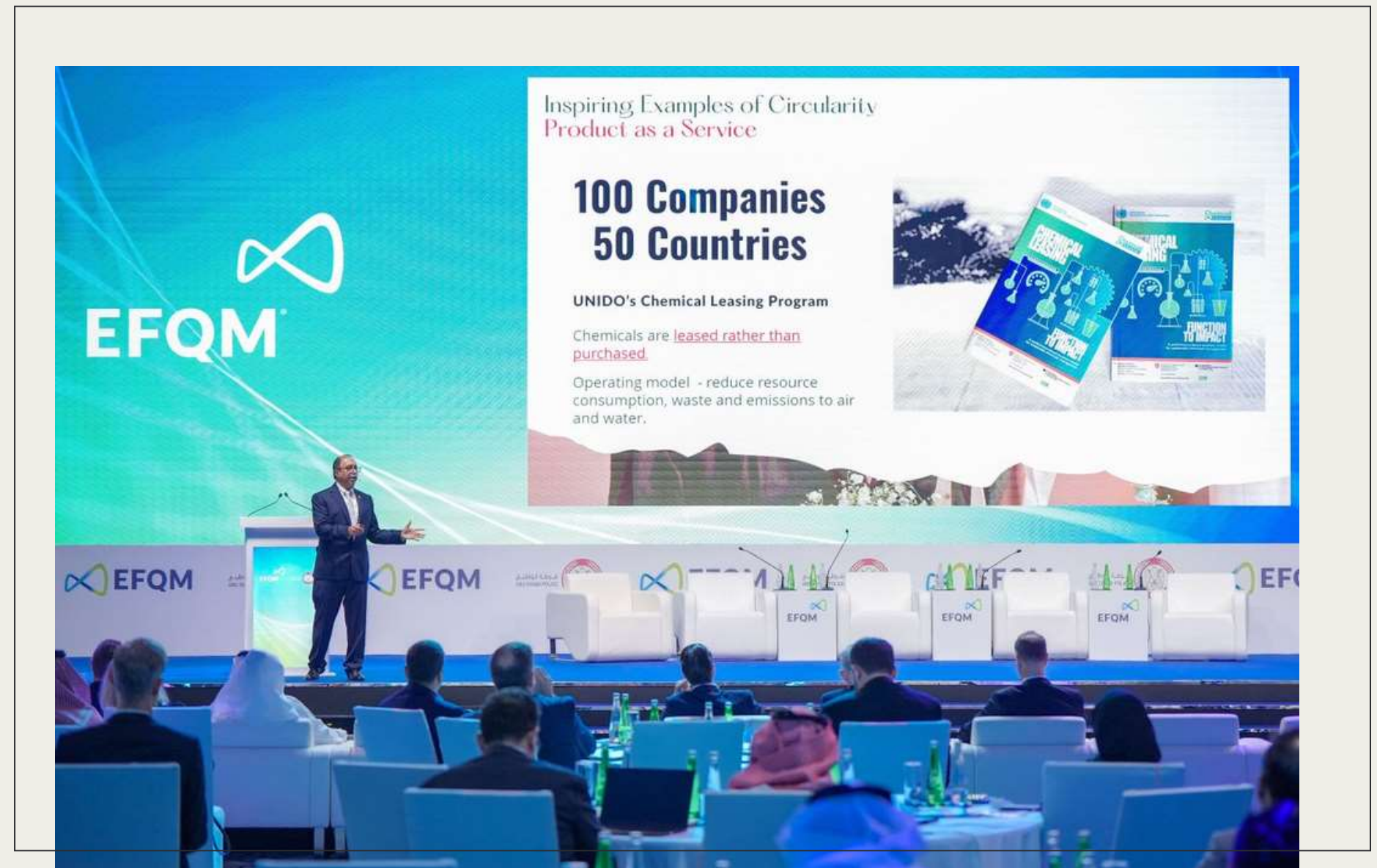
OUR ACHIEVEMENTS

- Developed **Circular House Guidelines** for one of the UAE Government entities to design, construct, maintain and deconstruct buildings according to the principles of **Circular Economy**.
- The project released at **COP28, UAE, December 2023**.



OUR ACHIEVEMENTS

- Developed and delivered presentation “Transitioning from Linear to **Circular Economy** - Challenges & Opportunities” at the 2nd Edition of **The EFQM Middle East Summit**.
- Abu Dhabi, UAE, October 2023



OUR ACHIEVEMENTS

EDUCATIONAL PROGRAMS ON CIRCULAR ECONOMY



*Durban, South Africa,
May 2023*

Durban University of Technology

Webinar “Linear to Circular Economy - I Can Make a Difference”



*Abu Dhabi, UAE,
September 2023*

Abu Dhabi Housing Authority

Workshop “Circular House Guidelines for Abu Dhabi National Housing”



*Antwerpen, Belgium,
October 2023*

Xelyo - Network of Quality Professionals

Quality Talk “Connecting Circular Economy to Quality Management”



*Dubai, UAE,
July 2023*

Dubai Electricity and Water Authority

Webinar “Linear to Circular Economy”



OUR ACHIEVEMENTS

PUBLICATIONS ON CIRCULAR ECONOMY

Linear to CIRCULAR ECONOMY
By adopting ISO 14001 Standard

“Organisations, committed to Circular Economy, need a **framework** for sustainability, and to institutionalise Circular Economy principles & practices in their business strategy, processes, governance and culture”

Written by: Sunil Thawani
Author, Board Member & CEO, Quality Indeed Consulting Ltd., UAE
22 March 2023
www.qualityindeed.com

Article, March 2023

“Linear to Circular Economy by adopting ISO 14001 Standard”

GOING CIRCULAR ECONOMY WAY
ISO 9001 Design Requirements Can Help

Millions of designers globally have an immense opportunity to **change the world** from Linear to Circular, by designing products and services using the principles of **Circular Economy**

Written by: Sunil Thawani
Author, Board Member & CEO, Quality Indeed Consulting Ltd., UAE
www.qualityindeed.com
12th April 2023

Article, April 2023

“Going Circular Economy Way. ISO 9001 Design Requirements Can Help”

Institutionalizing Circular Economy through Quality Management

Global economy is only **7.2% circular**. As principles of **Circular Economy** and **Quality Management** are closely interconnected, **Quality standards and frameworks** can be used to increase the rate of global circularity.

21st May 2023

Written by: Sunil Thawani
Author, Board Member & CEO, Quality Indeed Consulting Ltd., UAE
www.qualityindeed.com
© Image by Freepik

Article, May 2023

“Institutionalizing Circular Economy through Quality Management”

Saudi Quality Council invites you to **SQC Quality Webinar**

Institutionalizing Circular Economy through Quality Management

مأسسة الاقتصاد الدائري بالمنظمات من خلال إدارة الجودة

Objective

- To create/enhance awareness about Circular Economy by sharing concepts, models, practices and inspiring case studies from around the world.
- To demonstrate interface between the principles of Circular Economy and Quality Management concepts, principles and practices and how Quality professionals can help organizations develop, implement and institutionalise key Enablers of Circular Economy.

Fact based, interactive and engaging webinar will include facts and figures with real-life examples of how companies like Renault Car Co. (Vehicles), Toynova, Colombia (Toys), UNIDO's Chemical Leasing program etc. are transitioning to Circular Economy.

Plus, it will inspire Quality professionals to utilise their quality knowledge and experience to increase circularity.

Mr. Sunil Thawani
Mr. Sunil Thawani is Author, ASQ Fellow and CEO, Quality Indeed Consulting Ltd. He champions UN SDGs 2030. He is recipient of the prestigious ASQ Lancaster Medal for his dedication and outstanding contributions to the International Fraternity of Quality Professionals.

Ms. Marina Pugacheva
Ms. Marina Pugacheva is Senior Management Consultant, Circular Economy advocate and enthusiast with the career expanded over several industries including hospitality, finance, media and manufacturing. She is passionate about the future of cities, protecting nature, and is interested in human behavior in environmental sustainability.

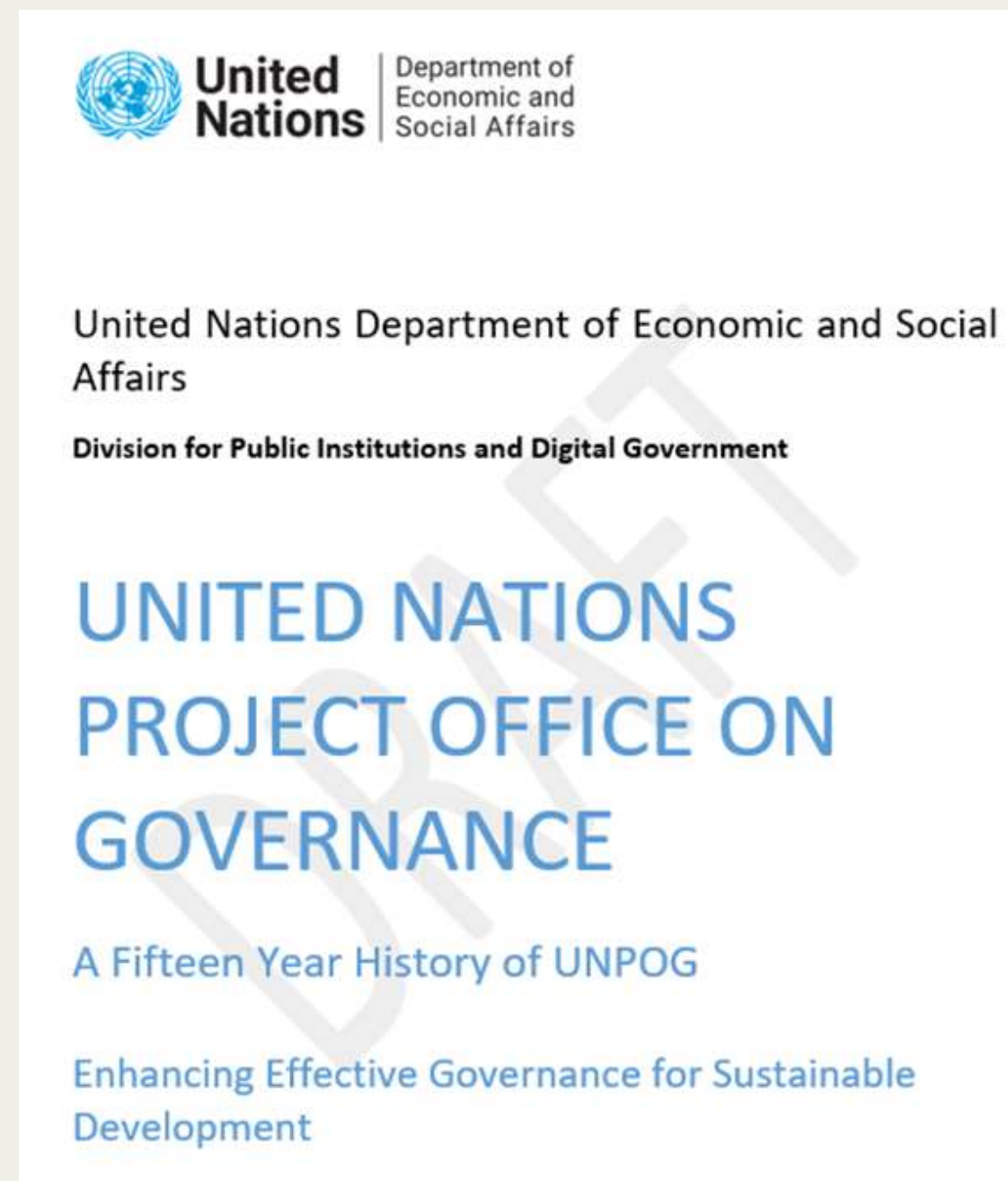
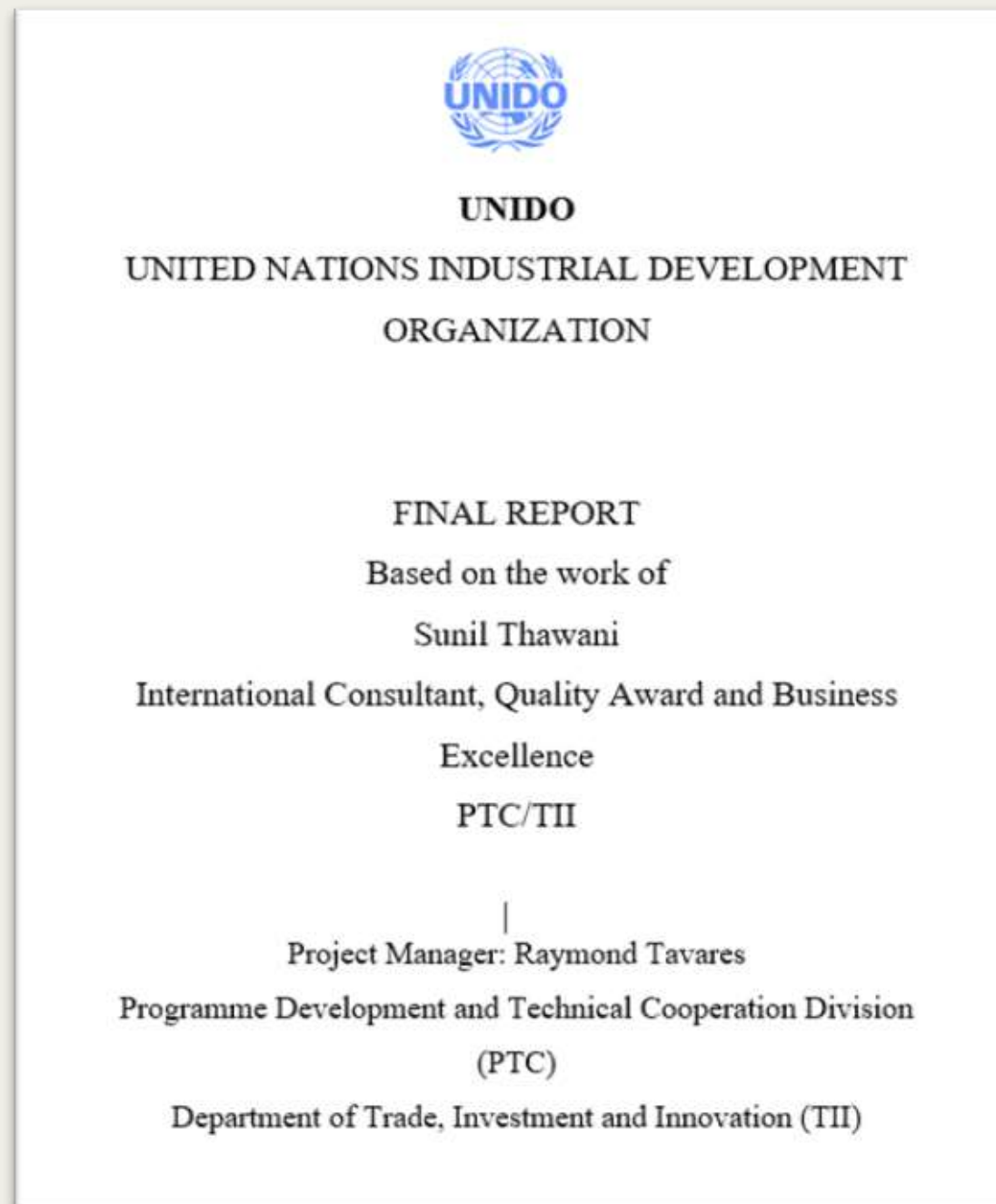
Webinar, June 2023

Webinar for Saudi Quality Council
“Linear to Circular Economy”



OUR ACHIEVEMENTS

PROJECTS FOR THE UNITED NATIONS



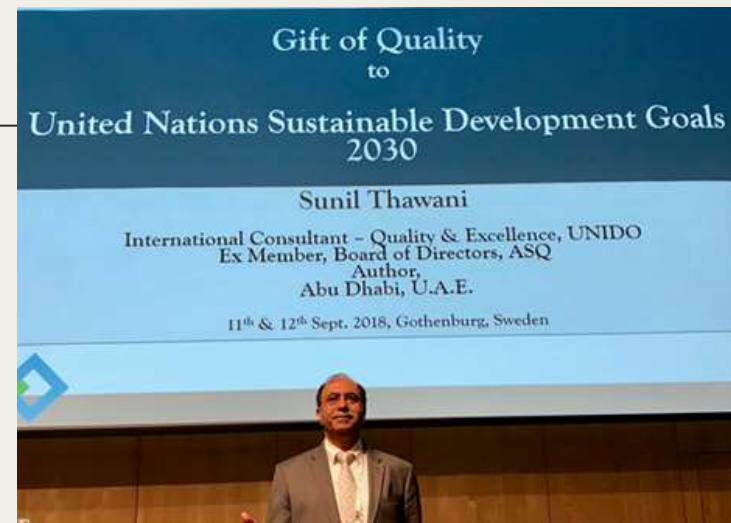
- **UNIDO** - National Quality Infrastructure Project Nigeria, 2018
- UN Project Office on Governance (UNPOG), **UNDESA** Project, 2021



OUR ACHIEVEMENTS



ADVOCATING UN SUSTAINABLE DEVELOPMENT GOALS 2030



*Gothenburg, Sweden,
2018*

Excellence Summit

Gift of Quality to the United Nations Sustainable Development Goals 2030.



*Baku, Azerbaijan,
2019*

United Nations Public Service Forum

Sustainable Development Goals and Innovation.



*Dubai, UAE,
2019*

Institute of Directors Conference

United Nations Sustainable Development Goals 2030.



*Abu Dhabi, UAE,
2020*

KIZAD Networking Event

Sustainability and the United Nations Sustainable Development Goals 2030.



OUR CEO

Sunil Thawani is an author, speaker, board member and fellow, American Society for Quality (ASQ) and CEO of Quality Indeed Consulting. He advocates UN SDGs and Circular Economy in the UAE and Middle East.

Initiated and completed a project on **Circular Economy in Built Environment**, which was released during **COP28**, UAE. Co-authored articles, designed and delivered training sessions and workshops on Circular Economy for private and public sectors.

Accomplished a number of projects for the **United Nations**, recipient of the **ASQ Lancaster Medal**.



Sunil lives in Abu Dhabi, UAE and can be contacted at contact@qualityindeed.com



OUR TEAM

Marina Pugacheva is a Senior Management Consultant at Quality Indeed Consulting with a career expanded over several industries including hospitality, finance, media, manufacturing, government and oil & gas.

She is a **Circular Economy** advocate and enthusiast, who co-designed and delivered several training sessions on Circular Economy locally in the UAE and regionally.

Involved into project on Circular Economy in Built environment in the UAE. She has co-authored several articles with Sunil Thawani on Circular Economy.



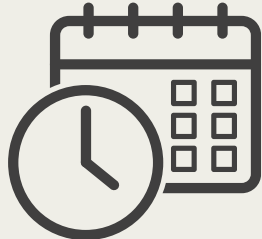
Marina lives in Dubai, UAE and can be contacted at marina.p@qualityindeed.com



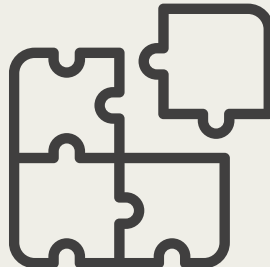
OUR GUIDING PRINCIPLES



DELIVER
VALUE TO
CUSTOMERS



HONOUR
COMMITMENTS
MADE



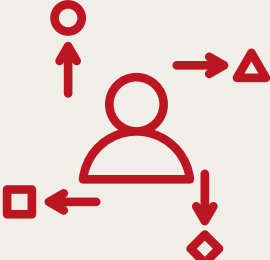
REMAIN
RELEVANT



CONTINUALLY
IMPROVING



RESULTS
DRIVEN



ADAPTABLE



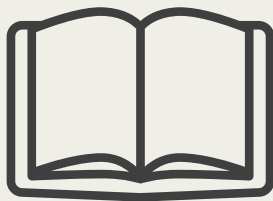
CUSTOMER
FOCUSED



INDUSTRY EXPERIENCE



GOVERNMENT



EDUCATION



HEALTHCARE



INFORMATION
TECHNOLOGY



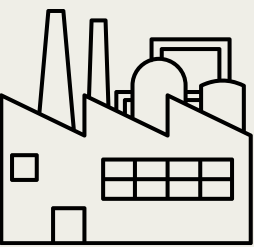
FINANCIAL
SERVICES



OIL & GAS



HOSPITALITY



MANUFACTURING



RETAIL



PROFESSIONAL
SERVICES



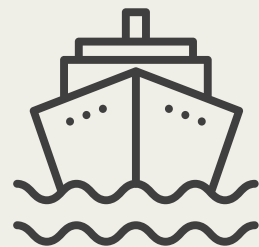
CONSTRUCTION



TRADING



REGULATORY
AUTHORITY



SHIP BUILDING





QUALITY INDEED
Consulting Ltd.

Thank you

FOR YOUR ATTENTION

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