



**Ministry of Trade and Industry**  
**Egyptian Organization for**  
**Standardization & Quality**  
**(EOS)**





**COP27**  
SHARM EL-SHEIKH  
2022 EGYPT

الهيئة المصرية العامة للمواصفات والجودة  
Egyptian Organization for Standardization and Quality



The Role of Standards in  
Facing the Negative  
impact of Climate  
Changes and Achieving  
Sustainability



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Ministry of Trade & Industry  
وزارة التجارة والصناعة

## EOS Establishment

- Presidential Decree No. 2 in 1957 has been issued to establish the Egyptian Organization for Standardization representing Egypt in the international and regional standardization arena and in the same year EOS became an ISO member.

## International Cooperation

- EOS performs a wide activity at the international and regional level, it is a member of the following organizations:
  - ISO Council for group 3 for the period 2023-2025
  - ARSO Council for the period 2023-2025
  - AIDSMO Executive council and general assembly as well as the High Arab committee for standardization, strategy , conformity assessment SMIIC Council member for the period 2022-2024
  - Companionship with the European Committee for Standardization (CEN)







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# SUSTAINABLE DEVELOPMENT GOALS



<b>01</b> NO POVERTY 	<b>02</b> ZERO HUNGER 	<b>03</b> GOOD HEALTH AND WELL-BEING 	<b>04</b> QUALITY EDUCATION 	<b>05</b> GENDER EQUALITY 
<b>06</b> CLEAN WATER AND SANITATION 	<b>07</b> AFFORDABLE AND CLEAN ENERGY 	<b>08</b> DECENT WORK AND ECONOMIC GROWTH 	<b>09</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE 	<b>10</b> REDUCED INEQUALITIES 
<b>11</b> SUSTAINABLE CITIES AND COMMUNITIES 	<b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION 	<b>13</b> CLIMATE ACTION 	<b>14</b> LIFE BELOW WATER 	<b>15</b> LIFE ON LAND 
<b>16</b> PEACE, JUSTICE AND STRONG INSTITUTIONS 	<b>17</b> PARTNERSHIPS FOR THE GOALS 			

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# "Egyptain Standards & climate change



- **Egyptian standards support the transformation of climate action from commitment to an effective impact and help government and industry to adapt and mitigate the impacts of climate change.**
- **EOS Develops multiple climate related standards to minimize its negative impacts in many sectors such as (energy, Recycling, environment, water, soil, air.....etc) aligned with the UN SDGs and Egyptian strategy for sustainable development 2030.**



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NUMBER OF  
EGYPTIAN STANDARDS:  
3500



Sustainable Development Goals SDG

## The role of EOS in motivating the effective implementation of climate action-related standards

### “Energy sector”

- Energy related Standards are Focusing on increasing energy efficiency, encouraging the transition to the use of renewable energy sources, and supporting sustainable industrialization through standards that meet quality, safety, and sustainability requirements.
- The Ministerial Decrees No 171/2011 & 912/2017 for regulating Energy Efficiency labeling of Electric Appliances & lightening systems prior to introduction into the Egyptian Market.



# Energy Efficiency



- **EOS established an Energy efficiency unit (EEU) aiming to :**
  - Enforce the producers and importers to place energy efficiency labels on Electric Domestic appliances and electric lamps in order to match their data and verify their energy consumption level prior introduction to the Egyptian markets.
  - Registration of accredited bodies and laboratories that grant conformity certificates or test reports regarding energy efficiency.

➤ EEU issuing Energy Efficiency Labeling for Electric Domestic Appliances (Par code &planned Qr Code) for facilitating market surveillance.

➤ In cooperation with the UNDP, EOS has built a Solar Power Station on its premises that covers 58 % of its energy consumption.

➤ EOS Collaborate with UNIDO to develop solar heaters related-standards in order to use renewable energy sources instead of fossil fuels

# ENVIRONMENT

- ENVIRONMENTAL RELATED ES HELP IN :
- QUANTIFYING GREENHOUSE GAS EMISSIONS, PROMOTING GOOD PRACTICES IN ENVIRONMENTAL MANAGEMENT , PROTECTING OZONE BY USING ENVIRONMENTAL FRIENDLY ALTERNATIVES IN THE SECTORS OF AIR CONDITIONING, REFRIGERATION, COOLING SYSTEMS
- THE MINISTERIAL DECREE NO 381/2022 (TECHNICAL REGULATION FROM MINISTRY OF TRADE & INDUSTRY IN EGYPT THAT STATES OBLIGATORY MAXIMUM RESIDUAL LIMITS FOR LEAD IN PAINTINGS & VARNISHES) )WHICH RESULT IN MODIFICATION OF EGYPTIAN STATUS ON UN MAPPING OF COUNTRIES LEGISLATIVE POSITION REGARDING LEAD.





## Environmental performance Label

### بطاقة الأداء البيئي

➤ EOS established environmental performance unit aiming to assess conformity of products in regard of meeting environmental performance criteria.



➤ The environmental performance Label for paints aims to measure the level of harmful emissions and then classify them according to MRLs of Volatile organic compounds (VOC) , Heavy Metals ( including lead) , and Formaldehyde.



## Futuristic initiatives :

### Green Mark

This Mark will be licensed for Eco-friendly products supporting the industrial community to achieve the presidency initiative "Go Green".



**GREEN MARK**

العلامة الخضراء



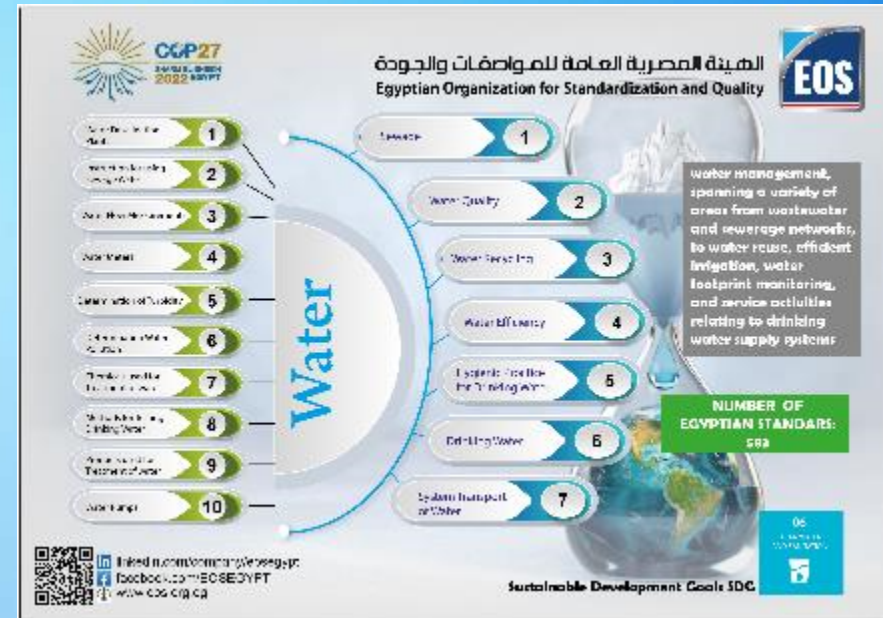
# Recycling

➤ ES in the scope of recycling , reusing wastes and allowing the use of recycled aggregates as an acceptable alternative to natural materials in the manufacture of building products and road construction.





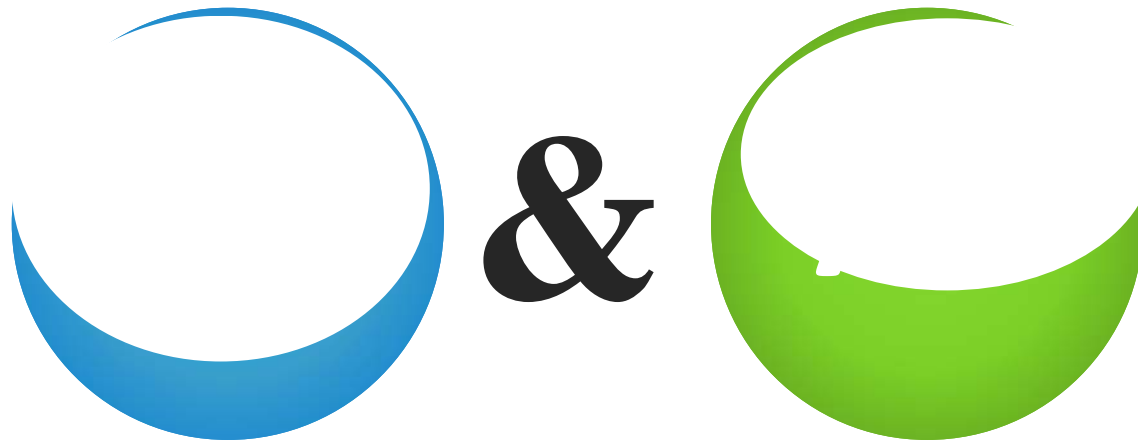
# Water



- ES related to water sector are concerned with water management systems, wastewater, sewerage networks, water reuse, efficient irrigation, monitoring water footprint, and service activities relating to drinking water and supply.
- Water efficiency Label for sanitary ware products (tapes, shower,..etc) to ensure the efficient use of water for the labeled items.

بطاقة كفاءة إستهلاك المياه	
معدل المياه المستخدم	أقل كفاءة أقل استهلاك للمياه أقصى معدل تنفق لصنوبر المياه (لتر / دقيقة)
	4 أو أقل
	6 أو أقل
	8 أو أقل
	10 أو أقل
	أعلى من 10

**AQVA** العلامة التجارية: **أقل كفاءة**  
**AQ\_16000** الموديل: **أعلى استهلاك للمياه**  
 طبقاً للمواصفة القياسية المصرية رقم 2018/8154  
 تعمل سويًا لترشيد المياه والحفاظ على البيئة  
 22355509164891



➤ EOS Develops multiple standards in these sectors to achieve Protection and promotion of life on land through the better use of resources .

➤ Some of ES ( Soil quality , Fertilizer and soil conditioners , Air quality.....etc)



# Sustainability

EOS developed Multiple standards in the scope of smart cities , circular economy and energy efficiency in buildings .

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use of resources, preserving the environment and improving the well-being of citizens are the end goal for experts

Sustainable procurement

Sustainability

Smart transportation using battery-powered buses for passenger services

Sustainability in building construction

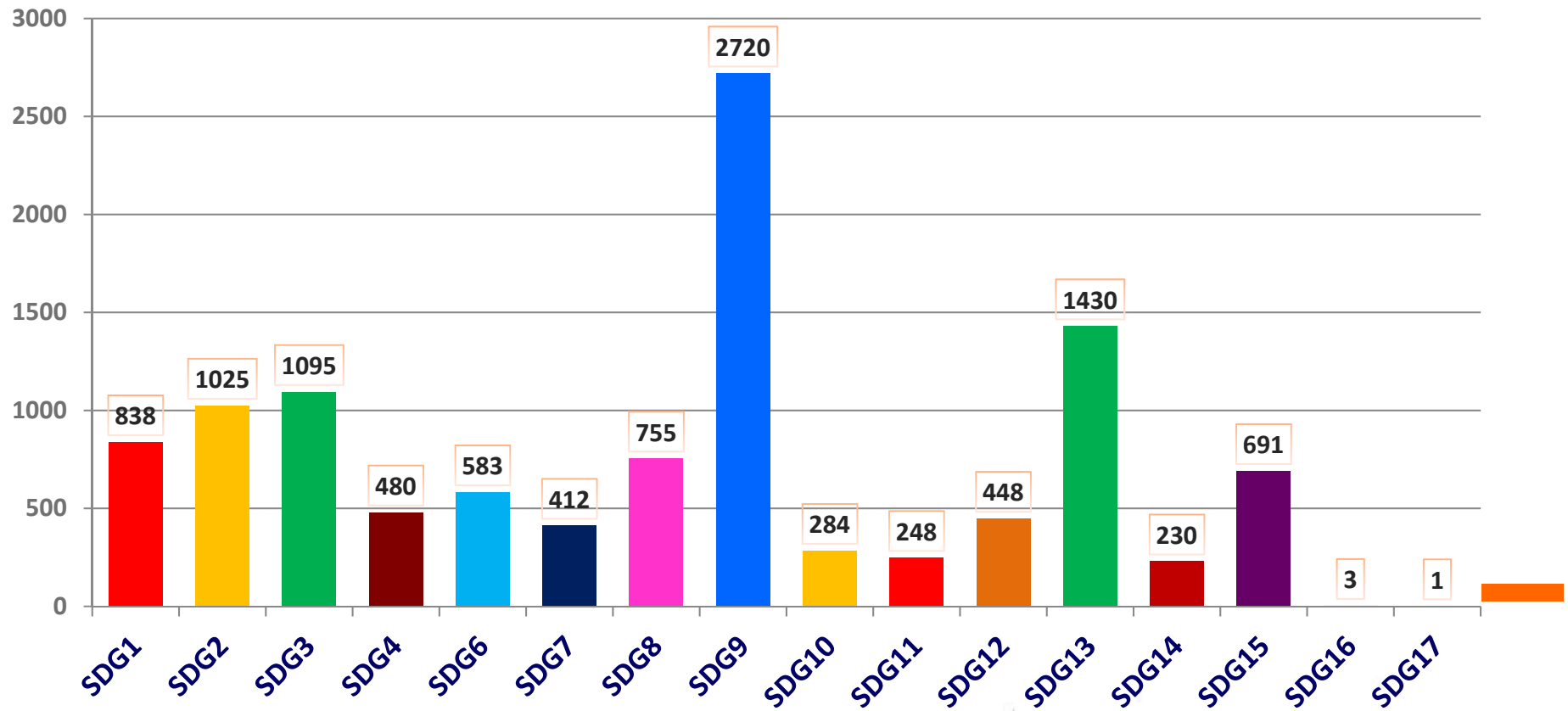
NUMBER OF EGYPTIAN STANDARDS: 248

Sustainable Development Goals SDG

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# EOS Standards





**Thank you**

