

# DASO

## ECO Audit

A Novel Environmental Sustainability  
Diagnostic, Evaluation and  
Optimization Model  
for Companies & Organizations



*"Energy misused cannot be excused"*

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ECO Audit is a key business support tool that aims at the documented, systematic and methodical evaluation of Environmental and Energy Management in all operations of the company.

Environmental Protection, Compliance with Environmental Standards and Carbon Footprint Assessment, complement the Safety & Hygiene and the Quality Management of organizations.

DASO's Environmental Control model focuses on Sustainable Management, Optimizing Production and Reducing Pollutants and Waste, across the spectrum of corporate operations. At the same time, it helps companies to save money and operating costs by improving Energy Efficiency at all levels.

It is a unique tool that aims at the objective evaluation of the Environmental Operations, Ecological Management and Environmental Protection Facilities.

The DASO model guides, step by step, companies in identifying gaps in the implementation of Environmental Management Systems, in understanding problems, in designing Corrective Actions and in complying with the existing Environmental Provisions.

**The DASO model consists of the following stages:**

**1. ECO Diagnostics**

It is the diagnostic tomography of the business, through which functional problems, pathogeneses and environmental degradation risks are highlighted.

Deliverable: Diagnostics Report

**2. Evaluation & Compliance**

The findings of the Diagnostic Tomography are analyzed, evaluated and Action Plans are developed to improve the Environmental Sustainability.

Deliverable: Proposed Action Plan

**3. Targets to be Attained**

Objectives and Implementation Methodologies are defined, according to the compliance requirements and the corporate strategy. A detailed Technoeconomic Analysis follows, according to the agreed objectives.

Deliverable: Feasibility Study

**4. Project Performance Management**

Project coordination, supervision and management. Training staff sessions are also included.

Deliverable: Monthly Progress Reporting



### **Why ECO AUDIT | 4+1 Reasons**

1. To comply with current legislation and improve Environmental & Energy Management
2. To raise human resources awareness and strengthen commitment to environmental policy compliance
3. To upgrade reliability both internally and externally
4. To improve and advance the Integrated Environmental Management System
5. To guarantee benefits for the environment, the society and the economy

### **Why DASO | 4+1 Reasons**

1. Because we specialize in Diagnostics & Audits
2. Because, at the same time, we manage and upgrade the Energy footprint in addition to the Environmental one
3. Because we align to novel developments, develop and implement innovative state-of-the-art solutions
4. Because we specialize in providing high added value services
5. Because we screen, follow and care of our customers' success

### **What does the COMPANY benefit | 4+1 Reasons**

1. It upgrades the level of Sustainable Development
2. It attracts remarkable investment schemes
3. It reduces waste and operating costs
4. It detects non-compliance issues and reduces corrective actions costs
5. It increases awareness on environmental standards and motivates employees

### **Why ISO System only, is NOT ADEQUATE | 4+1 Reasons**

1. Because ISO certifies that documentation, implementation and effectiveness comply only with the system's specific requirements – e.g. ISO14001
2. Because ISO certification does not directly reflect on compliance with any legal requirements other than the general international standards
3. Because ISO has a limited scope. Environmental management system, environmental performance assessment, environmental control, product life cycle assessment, product eco-labeling and energy management systems are contained in different ISO Systems
4. Because the ISO methodology is simply demonstrating and does not solve problems
5. Because DASO ECO AUDIT™ identifies gaps and optimizes ISO management systems, thus providing competitive advantage to the beneficiaries



## DASO ECO AUDIT™ Targets

- ✓ To provide useful information to management, on the current environmental performance and correctives actions required to improve the environmental status of the business.
- ✓ To determine the operation level of all environmental management systems and to denote deviations from standards, possible gaps in the operating systems and corrective actions required.
- ✓ To reduce the environmental footprint, identify weaknesses, problems, threats and develop actions for waste management and energy savings costs.
- ✓ To increase employees' awareness of corporate environmental policy and responsibility.
- ✓ To upgrade the company's public image and identify new market and business opportunities.
- ✓ To improve health, safety and hygiene conditions in the company.

## Project Management

The indicative project management schedule - study, design, implementation, corrective actions and deliverables - is shown below. The executive team involved in the ECO AUDIT process, the training schedule and the possible extension beyond the 26th week, will always be agreed in advance with the company.

No.	STAGES	ACTIONS	DELIVERABLES	INDICATIVE TIMEFRAME in WEEKS																											
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
1	ECO DIAGNOSTICS	INITIAL MEETINGS	DIAGNOSTICS REPORT	■	■	■																									
		ENVIRO CHECK CONTROL					■	■	■																						
		LEGISLATION																													
		INSTRUCTIONS																													
2	EVALUATION & COMPLIANCE	WATER MANAGEMENT	PROPOSED ACTION PLAN						■	■	■																				
		MATERIALS							■	■	■																				
		AIR POLLUTION								■	■	■																			
		WASTE MANAGEMENT										■	■	■																	
		ENERGY MANAGEMENT												■	■	■															
3	TARGETS TO BE ATTAINED	PERFORMANCE INDICATORS	FEASIBILITY STUDY											■	■	■															
		METHODOLOGY														■	■	■													
		STRATEGY ALIGNMENT																■	■	■											
		TECHNICAL STUDY																		■	■	■									
		COST BENEFIT ANALYSIS																				■	■	■							
4	PROJECT PERFORMANCE MANAGEMENT	ACTIONS & PERSONNEL	MONTHLY PROGRESS REPORTING																												
		IMPLEMENTATION																				■	■	■							
		GUIDANCE & SUPERVISION																						■	■	■					
		CORRECTIVE ACTIONS																								■	■	■			

We can always make your business better!

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## Fundamental Sustainability Strategies upon which ECO Audit is based

- Circular Economy – 3+R Model**

ECO Audit is based on the transformation of the old linear Production - Consumption - Disposal model, into a Cyclic Economy Process with emphasis on Reduce - Recycle - Reform - Reuse - Recover. It applies primarily to waste management procedures, but also to water and materials resources, as well as energy management systems.



- National Environmental Strategy**

It adopts the implementation of the objectives included in the National Plan\* for Energy and Climate which are:

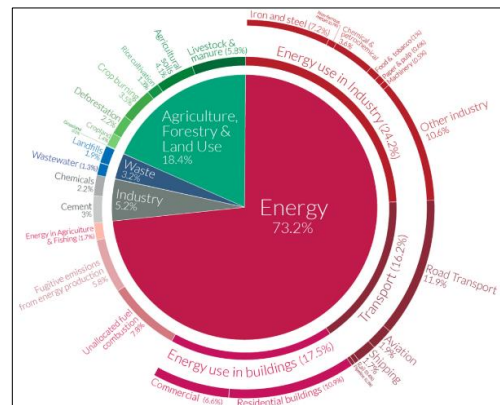
- ✓ Phase out of lignite in power generation by 2028.
- ✓ Increase RES penetration to 35% of gross final energy consumption.
- ✓ Reduce greenhouse gases emissions by 42% compared to 1990.
- ✓ Increase sales of electric cars to 30% by 2030.



\*Strategy of Greece; it can however be adjusted for every country without major differences

- Energy Savings - Autonomy**

It is clear that the current degradation of the environment and climate is due to the vast majority of energy production to cover buildings, transport and industry demands. In each facility, therefore, the data on the processes, infrastructure, equipment and operations are examined in detail so to lead to the identification of energy saving opportunities and also to autonomy.



# **DASO**

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