

Practice to be assessed and included in the Guidelines

Number/code: GOV20

Title: STADIUM ENERGY MANAGEMENT SYSTEM ACCORDING TO ISO50001

Guidelines section:

<input checked="" type="checkbox"/>	Governance	<input type="checkbox"/>	Operational management
		<input type="checkbox"/>	<i>Context of the event</i>
		<input type="checkbox"/>	<i>Event</i>
		<input type="checkbox"/>	<i>Stadium management</i>
		<input type="checkbox"/>	<i>Procurement</i>
		<input type="checkbox"/>	<i>Mobility and logistics</i>
		<input type="checkbox"/>	

Description:

ISO 50001 is based on the management system model of continual improvement also used for other well-known standards such as ISO 9001 or ISO 14001. This makes it easier for organizations to integrate energy management into their overall efforts to improve quality and environmental management.

ISO 50001:2018 provides a framework of requirements for organizations to:

- Develop a policy for more efficient use of energy,
- Fix targets and objectives to meet the policy,
- Use data to better understand and make decisions about energy use,
- Measure the results,
- Review how well the policy works, and
- Continually improve energy management.

Like other ISO management system standards, certification to ISO 50001 is possible but not obligatory.

ISO 50001 can be the framework for managing all the relevant energy issues in sport events, like those emerged in London 2012 Games, i.e.:

- Develop an energy conservation plan in parallel with Games planning.
- Deploy the energy management team in sufficient time for them to understand venues and build a relationship with venue managers.
- Ensure commitment of broadcasters to actively engage in energy conservation.
- Embed energy conservation objectives in venue managers personal objectives.
- Use LOCOG data as a starting point for planning future Games.

Environmental benefits

A list of the benefits of ISO 50001 includes:

- A significant improvement of the energy performance level from an initial energy baseline;

- A systematic approach (plan-do-check and act) that leads to continuous energy efficiency improvement. ISO 50001 enables organizations to:
 - Develop a policy for more efficient use of energy;
 - Fix energy efficiency targets and objectives to meet the policy;
 - Use data to better understand and make decisions concerning energy use and consumption;
 - Measure the results of energy efficiency improvements;
 - Review the effectiveness of the energy policy;
 - Continually improve energy management;
 - ISO 50001 supports the development of an energy policy and contributes to the structure of an energy plan to achieve targets;
 - ISO 50001 facilitates engagement (commitment and agreement) of management and has a positive contribution towards the energy targets;
 - An ISO 50001-based EnMS creates awareness and a commitment about energy (i.e. consumption, use, efficiency, renewable sources) within the organization;
 - ISO 50001 improves the ability of organizations to manage energy risks concerning possible impacts in an efficient and effective way;
 - ISO 50001 strengthens the competitiveness of organizations and reduces their vulnerability with respect to energy price fluctuation and availability of energy;
 - ISO 50001 allows the establishment of a benchmarking process;
 - An ISO 50001-based EnMS allows organizations to gain credible external visibility of energy saving actions;
 - An ISO 50001-based EnMS provides a better understanding between predictable energy demand and supply;
 - An ISO50001-based EnMS reduces energy costs and improves profitability.

In addition, implementing ISO 50001 yields significant benefits beyond energy and energy cost savings. Early adoption experiences have shown that conformance with the standard results in some non-energy benefits such as greater productivity and lower maintenance needs. In many cases significant energy and energy cost savings were achieved with minimal or no capital investment. This is because ISO 50001 fosters a change in culture that engages and empowers employees to identify and address energy-saving opportunities as they materialize. Then, by continuously monitoring and improving energy efficiency, companies achieve persistence in energy savings.

Economic benefits:

It demonstrates the compliance to a well-recognised standard for energy management. It is important for achieving legitimacy in this field, and for managing some of the reputational challenges faced by sports bodies.

Applicability and replicability potential

ISO 50001 is suitable to be replicated by stadium managers.

Source

[Twickenham Stadium](#)

[London 2012](#)

[GRI Events Organizers Supplement Guide](#) (p. 23-24)