

Practice to be assessed and included in the Guidelines

Number/code: OM/SM3

Title: REDUCTION OF THE TRANSFORMER VOLTAGE

Guidelines section:

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

Description:

In the stadium of Berlin, as a result of the increase in performance of the stadium floodlights, the transformer voltage – which was previously set at 420 v as part of a system – was reduced to 400 v by means of three medium-voltage transformers.

Environmental benefits:

This also enables CO2 reductions of approx. 46.000 kg per year as well as protecting the electrical equipment used and increasing its lifespan.

Economic benefits:

The costs of 3.900 euros generated by this action are offset by energy savings of 10.000 euros per annum.

Applicability and replicability potential

The measure could be replicated in every stadium that adopts the same centralised system: the investment would be swiftly repaid thanks to the electricity lower consumption.

Source

[Women Football World Cup Germany 2011](#) (p. 25)