

Static Magnetic Fields and the East West Interconnector

The East West Interconnector utilises a Direct Current (DC) system which produces low level static magnetic fields. Some people have questioned whether there are health risks from the Interconnector. We would like to reassure you that there are no health concerns in relation to the East West Interconnector.





The most common DC fields are those that produced by the earth and have been around since the beginning of time. Mankind has evolved in these fields and there is no concern regarding health issues and low level static fields.

The earth's magnetic field has a level of around 49 μT (micro Tesla) in Ireland. In comparison, the East

West Interconnector produces a magnetic field of approximately 43 μT directly above the cable.

Many everyday objects also produce static magnetic fields; the most common of these is the magnet.

The following table shows the magnetic field from some everyday sources of static magnetic field:

	Earphones	<i>28,000 μT at the earphone</i>
	Electric Train in Ireland	<i>Up to 130μT (in carriage)</i>
	Fridge Magnets	<i>Up to 22,000 μT while holding the magnet</i>
	Magnetic Toy Train & Carriage	<i>Up to 130,000 μT while holding toy</i>
	East West Interconnector	<i>43μT standing directly above cable 0.6 μT 10 m from cable</i>



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We hope this helps you understand that there are no health concerns in relation to everyday contact with static magnetic fields and reassures you that there is no cause for any health concerns with the East West Interconnector.

EirGrid is a state owned company mandated to build an electricity interconnector to Britain for the people of Ireland.

Regular updates on the East West Interconnector are available on www.interconnector.ie

You can contact the East West Project team in a number of ways:

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- **Telephone:** 1890 36 46 56
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