



## **Geomagnetic effects on the Center-West Argentina gas pipeline**

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Electromagnetic storms in the space near the Earth may adversely affect spatial navigation, aviation, electric transmission and telecommunication networks, railways and gas and petrol pipelines. These geomagnetic disturbances have affected electric systems for about 160 years. The first effect was registered in 1840 in the telegraph and over the last years they have caused blockings of electric and communications systems. Said affected systems include all those using electric leads, either electric transmission systems as such where conduction properties are incidental, pipelines or railways. This work shows a report of telluric current on pipelines in the last 20 years and analyzes a particular case in the center-west pipeline of Argentine Republic.