

The multiple energy transitions of Puertollano, Spain.

Sentinel-1 CSAR IW acquired on 19 August 2023 at 18:11:14 UTC

Sentinel-2 MSI acquired on 29 July 2015 at 11:00:26 UTC

Sentinel-2 MSI acquired on 21 August 2023 at 10:56:29 UTC

Author(s): Sentinel Vision team, VisioTerra, France - syp@visioterra.fr

Keyword(s): Green energy, solar power, industry, infrastructure, land, Spain.



[2D Layerstack](#)

Fig. 1 - S2 [21.08.2023] - Overview of Puertollano, Spain. The city has many industries in the energy field.

[2D view](#)



Puertollano is a city located in the province of Ciudad Real, in the heart of Spain. This city is known for the importance of its industry, with a past linked to industrial and mining activities. Puertollano's energy sector plays a pivotal role in its identity. The city is home to various industrial facilities, particularly in the realms of petrochemicals and energy production. Puertollano is at the forefront of innovation, with a strong commitment to developing cleaner and more sustainable energy technologies. This dedication has established Puertollano as a prominent center for research and development in the energy sector.

Among the developments in the field of energy, we can note:

- Decommissioning of a 221MW coal-fired power plant in 2015,
- Conversion of an integrated gasification combined cycle (IGCC) plant into a biomass power station,
- Implementation of a solar thermal power plant,
- Implementation of several photovoltaic plants,
- 20MWh battery,
- 20MW electrolyser for the production of hydrogen,
- Fertilizer production plant using hydrogen produced on site.

More informations [here](#) and [here](#).

Fig. 2 - S1 (19.08.2023) - Peurtollano is increasingly turning to low-carbon energies.

[2D view](#)

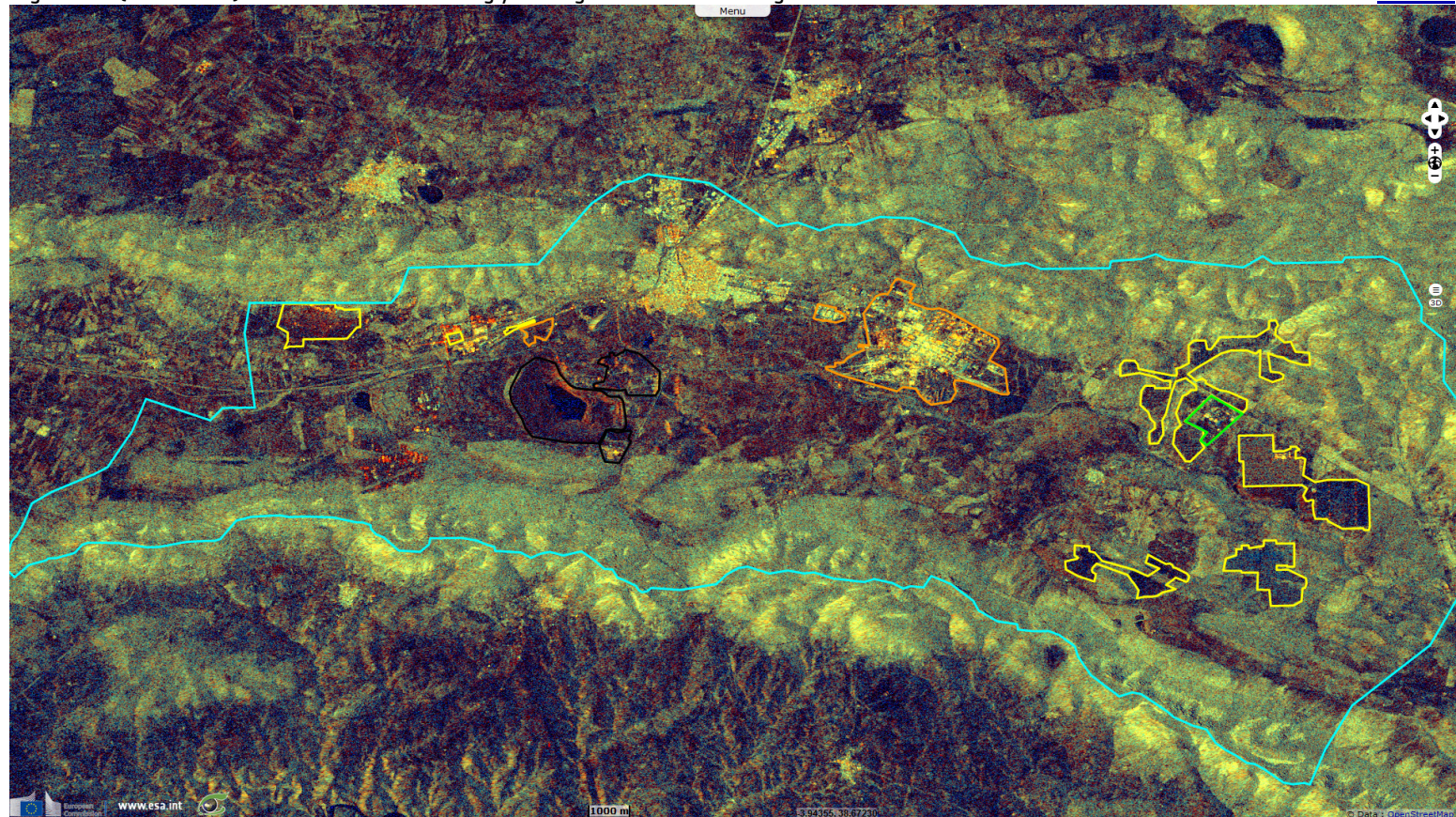


Fig. 3 - S2 (29.07.2015 & 21.08.2023) - The coal-fired power station was demolished on November 28, 2015.

[2D view](#)



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