

# EU project

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# ULLENSVANG

We have our own challenges when it comes to mitigating the effects of climate change in Ullensvang, Norway. We're able to find new solutions with our colleagues in Brezno. That's why the Norway Grants programme is so important.

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## Big hydrogen investment

We have lots of waterfall, high mountains, also glaciers. Then we have lots of green water power, which give at lots of electrical power in Norway and also abroad.

## Tizir Titanium and Iron

Today the industry in Tizir Titanium and Iron have very high point emissions in CO<sub>2</sub> in Norway. In Odda we have lots of pollution to our beautiful nature, due to the heavy industry.

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## Hydrogen

- This is a long-awaited investment that can help to create new industrial adventures in Norway. Tizir Titanium and Iron have got 261 million NOK in Norwegian money in support from Enova to the hydrogen project.
- The hydrogen project assumes that instead of using coal in their production, they will have a transition to hydrogen.
- If TiZir is successful with the hydrogen project, it could provide an 82 per cent reduction in CO2 emissions, a 35 per cent reduction in energy consumption and a 50 per cent increase in production.

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- The hydrogen project assumes that instead of using coal in their production, they will have a transition to hydrogen. Coal means that we get CO<sub>2</sub> out as waste through the pipes. A transition to hydrogen will mean that the waste material simply becomes water.
- If they succeed with this project, this will mean a lot both for industry, but also for the climate in Odda and the general development here in the district. This will put Odda on the map nationally and internationally.



## Financial support

The financial support from Enova is absolutely crucial for them to progress with the hydrogen project they have had on the block. After having a smaller pilot plant in Germany, the idea is now to build a pilot plant locally in Odda, which will have a slightly larger scale. And which will be the first in the world with this size and with this technology.

## **Boliden Odda**

Boliden Odda produces metallic sinks. They are now investing 7 billion Norwegian kroner to increase their production capacity. This will also give a big reduction in greenhouse gas emissions. This large investment will provide climate-friendly metallic friendly production.