

The power generators of **Frinsa del Noroeste** are two **Wärtsilä** 8SWR80 of 9.5 mW each. The HFO 380 is stored in four large tanks with a total capacity of 750 m<sup>3</sup>. The company bunkers everyday several trucks for a yearly consumption of 16 000 tons of fuel.



**Xbee** fuels contribute actively to the reduction of the CO<sub>2</sub> emissions, the main greenhouse gas. This **Frinsa** power plant is reducing its CO<sub>2</sub> emissions by almost

**13270**  
**tons per**  
**year**

Results by **Ambio Dekra**, measures performed in the **Frinsa del Noroeste** power plant. The CO<sub>2</sub> emissions have been reduced in average by 26.58%.



The laboratory **Ambio Dekra** made a baseline measurement on November 19, 2008. The power plant started using **Xbee** on November 25, 2008.

**Ambio Dekra** made another measurement on May 15, 2009 \_ after six months of regular use of the **Xbee** biotechnology.



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Here below are some of the results we have been able to observe:

✓ CO <sub>2</sub>	Carbon Dioxide	<b>-26.42%</b>
✓ CO	Carbon Monoxide	<b>-43.13%</b>
✓ NO <sub>x</sub>	Nitrogen Dioxide	<b>-13.54%</b>
✓ VOC	Volatile Organic Compounds	<b>-20.89%</b>
✓ Particles		<b>-44.39%</b>

Engines and fuels guarantees:

α **Xbee** is at least recognized by some of the most important engines manufacturers.



α On the other hand, **Xbee** respects the European regulation EN 590 Diesel norm and CSR 500 IFO 380 norm.

**Frinsa del Noroeste S.A.**

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