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H2: Impact on Existing Gas Natural Assets

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ABSTRACT

The purpose of this publication is to provide information and to assess the impact when introducing hydrogen into the natural gas that supplies existing gas facilities.

It has been developed to estimate the maximum content of H₂ which is suitable for existing natural gas facilities.

A threshold of around 10 % percent is suggested, with a higher content of H₂, some modifications/adaptations should be done.

A lot of devices/equipments are not suitable with high H₂ content.

Safety distances as well as hazardous studies, gas sensors, To be possibly upgraded.

This report is a compilation of more than thirty sources which are provided as references.

KEY WORDS: Hydrogen, gas facilities, impact, safety