



The Global Energy Challenge: Reviewing the Strategies for Natural Gas

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1.INTRODUCTION

The natural gas odorization, constitutes an important step in gas leakage prevention.

Natural gas leakage is classified as major incident, because it suffocates the gas consumer or can cause explosion. Unfortunately the incident due to gas leakage makes constantly victims and important causalities all around the world.

Even if in nowadays we use the gas detectors, we still don't manage this situation, since the spatial detection and its imperatives: gas dispersal, cosmology's force and the time detection regarding to the lower limit of explosion, limits strongly their efficiency.

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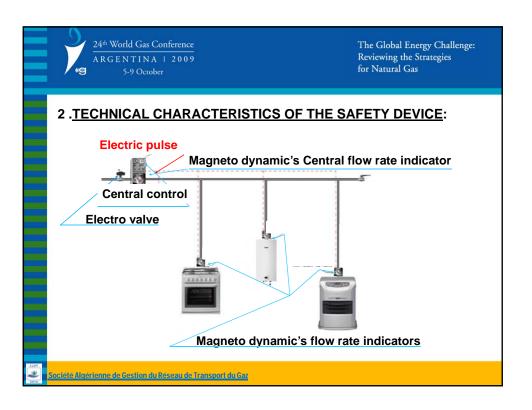
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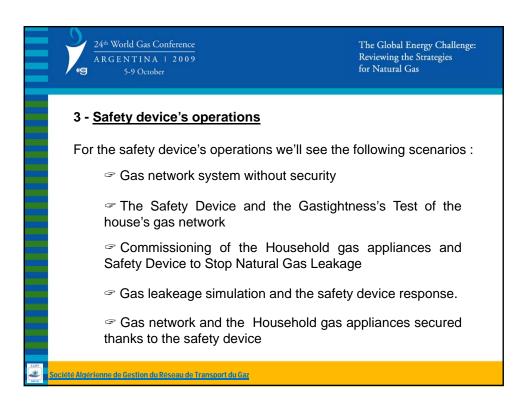
As gas operator, we feel imperatively the use of the safety device system to stop Natural Gas leakage for the domestic customers.

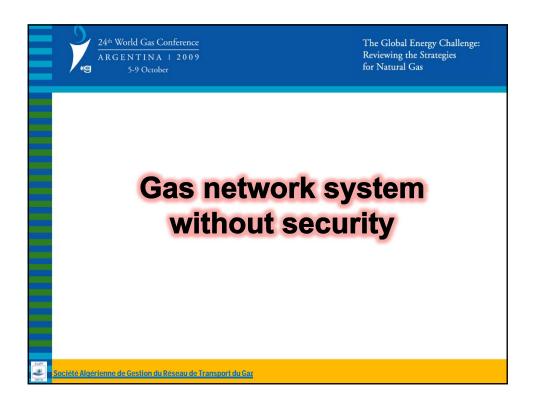
We aspire also to ensure the safety of the gas consumers, and to reinforce the attribute of this energy, which will remain for the future century as the primary energy.

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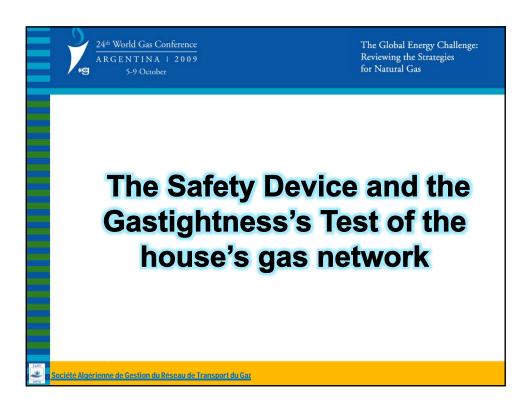
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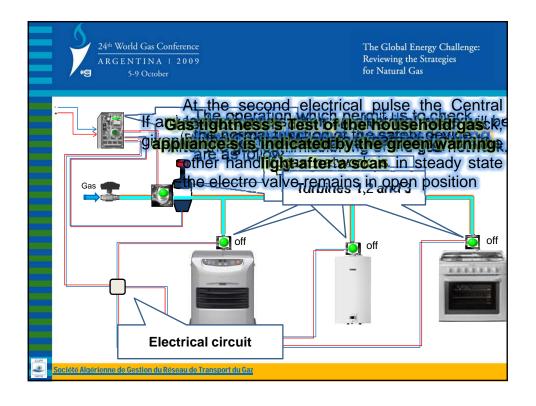


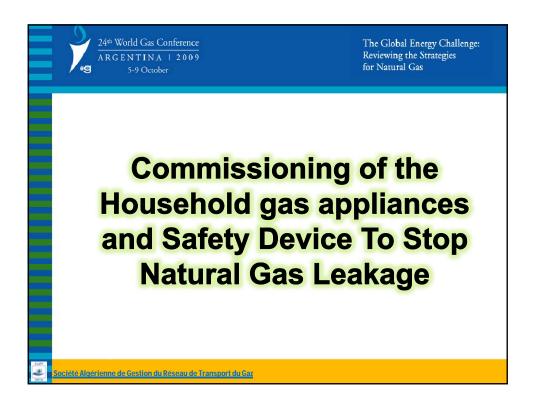


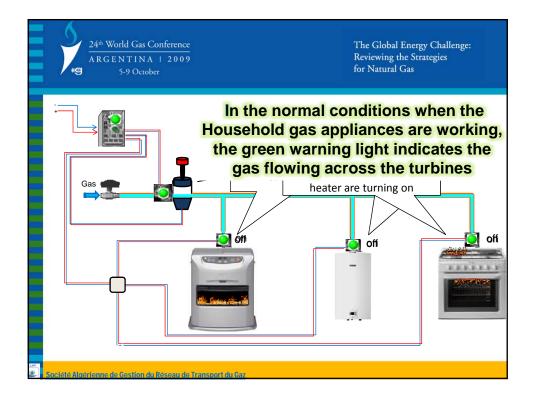


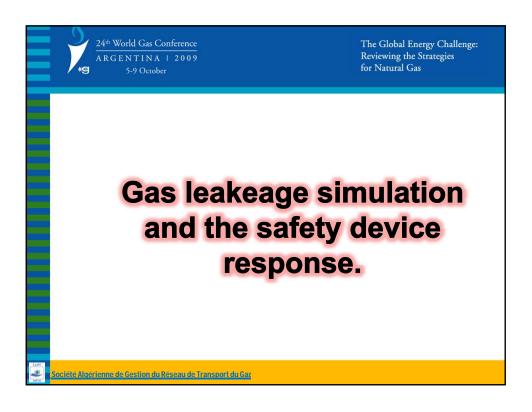


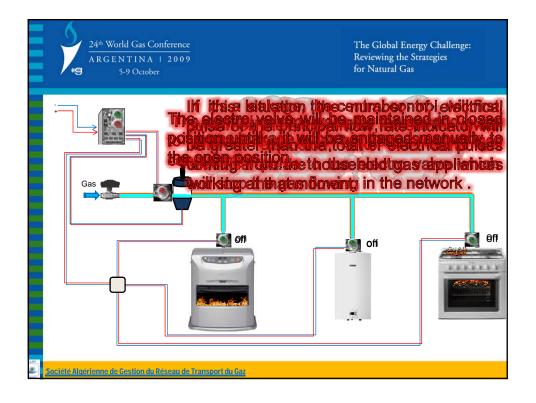


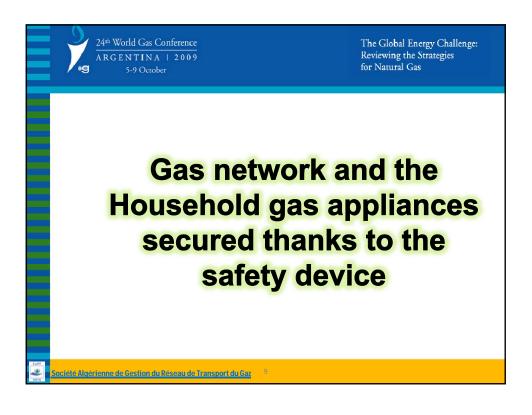


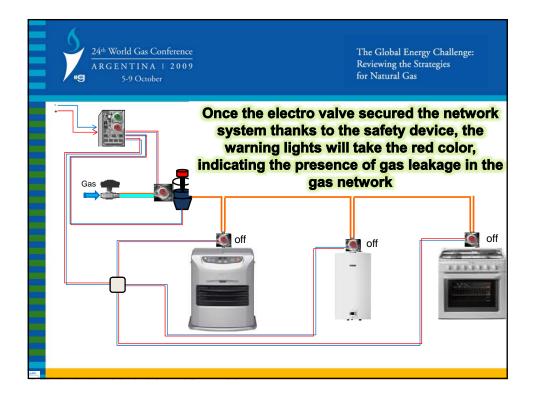


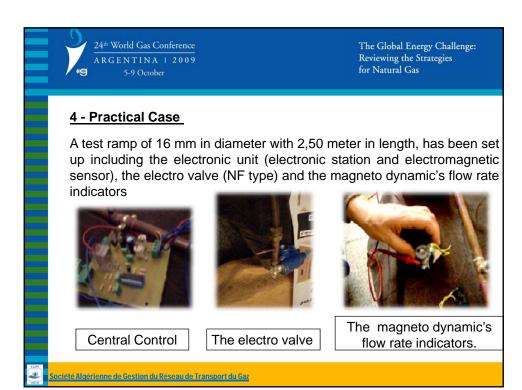


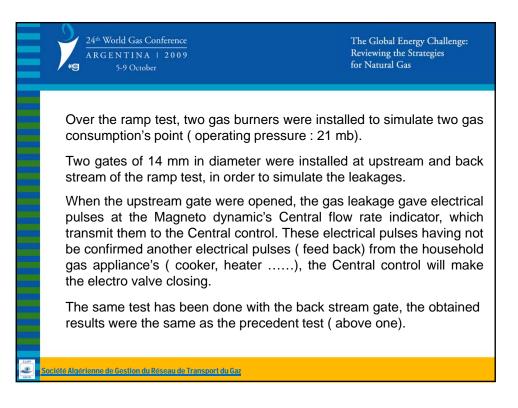














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5- CONCLUSION.

The results obtained from the ramp tests, show us that the safety device has an instantaneous response to the safety performance needed for the natural gas equipments. Its use will considerably reduce the fatal incidents.

The current laws oblige the household natural gas appliance's manufacturers, to add thermocouples for each burner in order to ensure the user's safety in case of the liquid manure spreading or flame blowing by the wind, as well as the case if the flame's heaters will extinguish. In our safety system we prepare the thermocouple if the household natural gas appliance's are not equipped with.

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