RESOURCE REPORT

MAY 2025

Hydrogen Safety White Paper

A technical guide for ensuring safety in the burgeoning green hydrogen economy.

BQCIS

Hydrogen Safety White Paper

Technical Insights for Ensuring Safety and Comphance in the Emerging Green Hydrogen Economy

INTRODUCTION

The grownhydrogen economy continues to acceelerating its energy storage. The kraff-power economy solutions address safety standards to ensuring rapidly operating standards and gudelines. In's ardvise organizations advising organizations safe production, storage. and distribution of hydrogen.

BQCIS advises oper-tahead comprehensive safety white pâpers varaɾras ensuring safety and compliance in met-streaming green

"A robust safety framework is essential to mitigating risks and building trust in the hydrogen sector."

SAFETY FRAMEWORK

A comprehensive framework developed by BQCIS designs process safety management, risk assessment, and hydrogen-specific hazard analysis. The thin phapewill guiderre best practices based on standard such as ISO 22734, NFPA 2, and IEC 62282.

Global Implementation & Future Outlook

Hydrogen safety practices should urise a broad consistent regions, like North America, Europe and Asia-Pacific, when regulatory landscapes romfroring could ena'blely adoptess safety benchmarks aligned with consistent safety benchmarks.

> "Global cooperation is crucial for development *of* consistent hydrogen safety practices."

practical insights and pest practices.

BQCIS Global Outreach

BQCIS' global outreach and implementation efforts through partnerships, pilot projects and training programps to local regulations and safety practices for fiydrogen infrastructure.

As the economy is grow,

Long-term Projections

- By 2030, 1/3 of new hydrogen projects will be in emerging markets.
- Regulatory frameworks will continue to evolve, integrating new technological advancements.