

We are



Dear Vahid,

March 2024

Get to know Stonehouse's Offerings

At Stonehouse, we are all about preventing disaster.

We apply our discipline – **Process Safety** – to preventing and controlling releases of hazardous substances that could lead to fires, explosions, or toxic exposures. We work with you to identify and understand the hazards of your materials and processes, develop the right risk mitigation strategies, and protect the workers and equipment at the heart of your business.

We have our own **laboratories** (ISO/IEC 17025:2017 accredited) where we test hazardous materials for their explosion, thermal stability, flammability, combustibility, classification and even electrostatic properties. Our team of **expert consultants and scientists** are recognized for their academic training, extensive industrial experience, and involvement in incident investigations.

Stonehouse's **diverse clients** come from all industries, including chemical, pharmaceutical, agricultural, food, metals, and more. Despite this, our clients have a common denominator – they are all processing or handling materials that could catch fire, explode, or decompose in some hazardous way; and they all care about the **safety** of their people, the environment and their business continuity.

Process Safety is all about making sure that potentially hazardous industrial processes are kept under control - to prevent and protect people and businesses from fires, explosions, and toxic exposures. **We are here to partner with you at any stage of your process safety journey.**

- Come and visit us at AIChE GCPS Spring Meeting in New Orleans, March 24-28. We'll be at Booth 223 and also presenting conference papers & poster session, or
- Pick a topic below and learn some more about how we can help you right now.

Meet Stonehouse Staff

Visit Stonehouse at the 2024 AIChE Spring Meeting & GCPS in New Orleans



**SPRING24
+20TH GCPS**
A Joint AIChE and CCPS Meeting
March 24-28, 2024
New Orleans Ernest N. Morial
Convention Center

UNITING
Process + Safety Experts
SOLVING
Global Challenges

Stop by the Stonehouse **Booth 223** and discuss any of your process safety concerns and meet some of our experts! The conference is being held at the New Orleans Ernest N. Morial Center from March 24-28. We will also be presenting "Diagnosing Electrostatic Problems and Hazards in Industrial Processes: Case Studies" on March 27th at 4:30pm and a Poster Session, "Using Ignition Sensitivity & Explosion Severity Test Data in the Investigation of Two Industrial Dust Explosions" on March 25th from 6:00pm-8:00pm, Hall B-1.

[For more info & registration](#)

Process Safety Issues -- Stonehouse Practical Solutions



DHA (Dust Explosion Hazard Analysis) Are you compliant with NFPA 652?

If you are handling or processing combustible powders it is very likely that NFPA 652 is applicable and that a Dust Hazard Analysis (DHA) is required. A DHA is a systematic process used to improve plant safety by identifying the specific combustible dust hazards associated with a process. To perform a DHA, we visit your facility to review operations and processes to identify potential dust explosion risks and develop a plan to minimize or mitigate those risks.

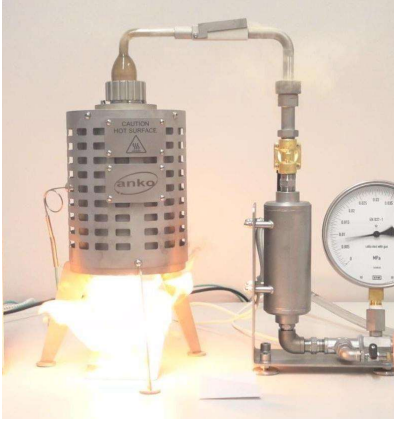
Solution

Do you need combustible dust testing?

The standard NFPA 652 applies to all facilities and operations that manufacture, process, blend, convey, repackage, generate, or handle combustible dusts or combustible particulate solids. If NFPA applies to you, you may well need combustible dust testing on the materials you process and handle. We measure that data in our ISO/IEC 17025:2017

accredited labs.

Solution



Do you need assistance with evaluating an electrostatic ignition risk?

The main concern posed by static electricity in an industrial setting is the risk of fire and explosion due to the ignition of flammable atmospheres by electrostatic discharges. Flammable gases, vapors, powders, and aerosols are common in processing operations, and most can be sensitive to ignition by static electricity. So how do you avoid the risk?

Solution



Hazardous Area Classification for your business?

Flammable or combustible substances on your plant? Very likely you'll need to Classify Hazardous Areas (dust, gas, vapor) by establishing the likelihood, extent and duration of potential flammable atmospheres. Then you select and control the electrical equipment in those areas. We can do this for you, interpreting the flammability/ combustibility characteristics of your hazardous materials as we go; and advise on the specification of electrical equipment too.

Solution

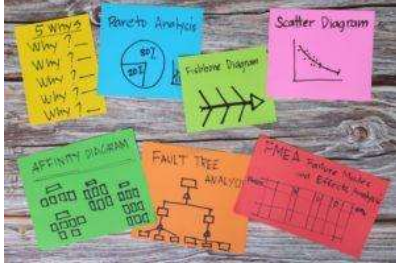


PSM - Process Safety Management for you?

Process Safety Management (PSM) provides the framework for preventing fires, explosions, and the release of hazardous chemicals that could pose a hazard to workers, the general public, and the environment. That's where we come in with our expertise & experience. Everything from PSM program designing, or checking through and conducting PHAs (eg HAZOPs) at your facility.

Solution





PHAs - HAZOPs, What-if, MHA, FMEA, Fault Tree Analysis

Whichever Process Hazard Analysis you need, our process safety specialists are here to help. Stonehouse understands that the quality of a PHA study is dependent on the knowledge, expertise, and experience of the individuals leading and participating in the PHA study.

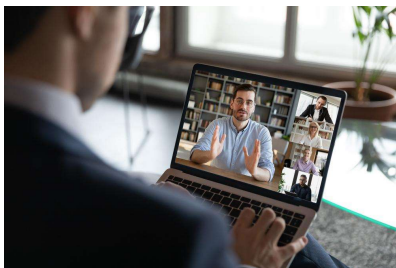
Solution



Thermal Runaway

Hazard assessments involve identifying and evaluating the hazards associated with a particular process or operation. This includes identifying all potential exothermic reaction and scenarios that could lead to them and assessing the likelihood and consequences of these occurring. In the chemical industry, it is usually laboratory testing that provides the information on which hazards studies are based. Get in touch and we'll show you how it works!

Solution



Training - but no time to travel!

Dust Clouds, Liquids & Gases, Static Electricity, Electrical Sparks, Mechanical Sparks, ... Explosions – Learn all about them! Virtual, broadcast live and direct to your PC in two 3-hour segments.

Solution

Stonehouse Full Range of Services



Expert Consulting

- Dust Explosion Prevention & Mitigation
- Control of Static Electricity
- Hazardous (Electrical) Area Classification
- Process Hazard Analysis
- Process Safety Management
- Fire and Explosion Hazard Assessment
- Incident Investigation
- Organizational Process Safety Competency Assessment

Specialist Laboratory Testing

- Combustible Dust Testing
- Electrostatic Testing
- Self-Heating / Thermal Instability Testing
- Flammability Testing of Gases & Vapors



REQUEST A QUOTE

If you received this newsletter from a colleague and would like to sign up to receive our newsletters in the future -- [Sign Up](#).

Stonehouse Process Safety | 11D Princess Rd, Lawrenceville, NJ 08648

[Unsubscribe mail@stonehousesafety.com](mailto:mail@stonehousesafety.com)

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by mail2@stonehousesafety.com powered by



Try email marketing for free today!