



HSE

Progress with Eco Balance

HSE

Risk Management Services Pvt. Ltd.

THE MONTHLY MAGAZINE ON PROCESS SAFETY, RISK MANAGEMENT & SUSTAINABILITY

April 2026, Revision 1

20+
Years of
Excellence

1100+
Projects
Delivered


25+
Types of
Industries
Served

COMMITTED TO PROCESS SAFETY EVERY STEP. EVERY SYSTEM. EVERY DAY.

Empowering industries to identify risks, strengthen controls, and build safer, more reliable operations.



**TECHNICAL
EXCELLENCE**

Proven expertise in complex environments.



**RISK-BASED
SOLUTIONS**

Smart strategies for smarter decisions.



**GLOBAL
PERSPECTIVE**

Worldwide experience, local understanding



**SUSTAINABLE
IMPACT**

Solutions that protect people and the planet.



**CLIENT-CENTRIC
APPROACH**

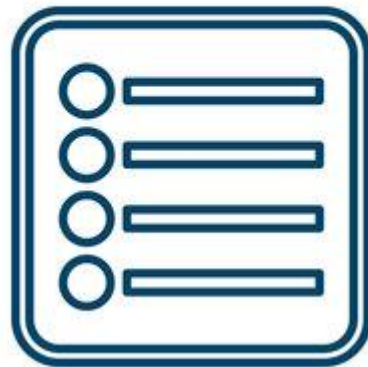
Your challenges, our commitment.

RISK-BASED-SOLUTIONS • TECHNICAL EXCELLENCE • SUSTAINABLE IMPACT

 www.hse-rms.com

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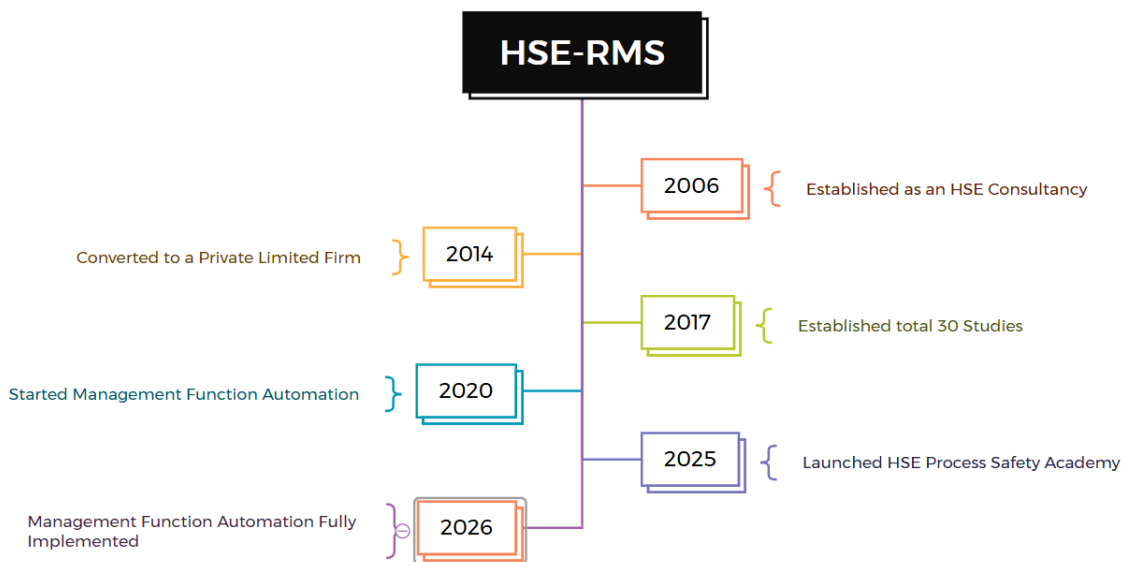
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HSE Risk Management Services Pvt. Ltd. (HSE-RMS)

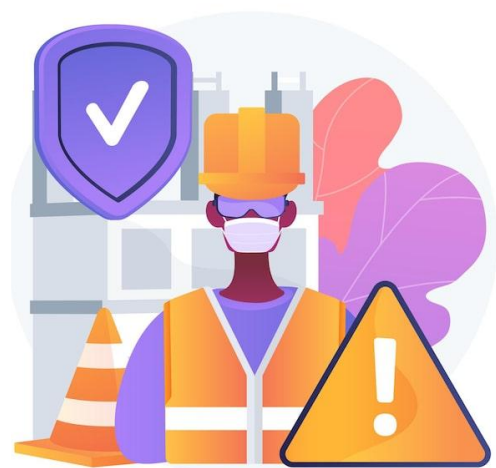
The Group is committed to achieving continuous development of safety and quality, guided by the mission to address challenges arising from the interaction between humans, technology, and the environment.

Founded in 2006 and main Office in Mohali and Branch Office in Sri Ganganagar . During last 20 years we are allowed to provide our services to client based in 10 no of countries and 70 no of locations. HSE-RMS stands for safety and quality in virtually all areas of business and life.



Major Projects Overview (Till January 2026)

- Total HAZOP Conducted: 630+
- Total HAC Conducted: 60+
- Total QRA Conducted: 25+
- Total PHSER Conducted: 150+
- Total Safety Audit Conducted: 165+
- Total HAZID Conducted: 70+
- Safety Trainings: 80+



Our Prestigious Client (Partial List)



Our Prestigious Client Location



India, Kuwait, Saudi Arabia, Qatar, Oman, Abu Dhabi, Indonesia, Malaysia, Thailand, UK

Is a lack of Process Safety expertise holding your organization back?

Many industrial incidents occur due to gaps in Process Safety knowledge, inadequate training, or delays in implementing core PSM elements. Our programs help organizations develop in-house expertise, reduce consultant dependency, and strengthen compliance with global safety standards.



At **HSE Process Safety Academy (HSE-PSA)**, we empower professionals with deep process safety and risk management knowledge. We believe safety is a lived culture—not compliance—turning knowledge into action for safer, smarter, stronger workplaces.

Our Training Programs



PG Diploma in Process Safety (PGD-PS) (Upcoming)

A comprehensive 440–480 hour program aligned with OSHA's 14 PSM elements, designed for deep technical and practical mastery.



Weekly Certificate Courses (Upcoming)

Short, focused modules such as HAZOP, MOC, LOPA, PSSR, and Risk Assessment for continuous professional upskilling.



Short-Term Specialized Trainings

Practical case-study-based programs crafted for engineers, supervisors, and safety teams to build core PSM competencies.



Industry PSM Implementation Support

Guidance from our parent company HSE-RMS, with access to real PSM studies, audits, and compliance readiness strategies.

Hazardous Area Classification (HAC) Study for Carbon Removal

Client: Superform Chemistries Limited (formerly UPL)



The Hazardous Area Classification (HAC) study was carried out for the Carbon Removal Unit to identify and classify areas where flammable gases, vapours, or dust may create explosion risks.

The study focused on ensuring that potential

ignition sources are controlled and that appropriate safety measures are implemented across the facility. This study was carried out in accordance with IEC 60079 (Explosive Atmospheres).

“From Hazard Identification to Safe Zone Classification – Strengthening Process Safety at its Core.”



What-If Study for TFE-Sultone

Client: Gujarat Fluorochemicals Limited, Dahej

A What-If Analysis was conducted for the TFE Sultone Pilot Plant to systematically identify potential hazards, operability issues, and process deviations. The study focused on evaluating how equipment failures, human errors, and abnormal conditions could impact plant safety.



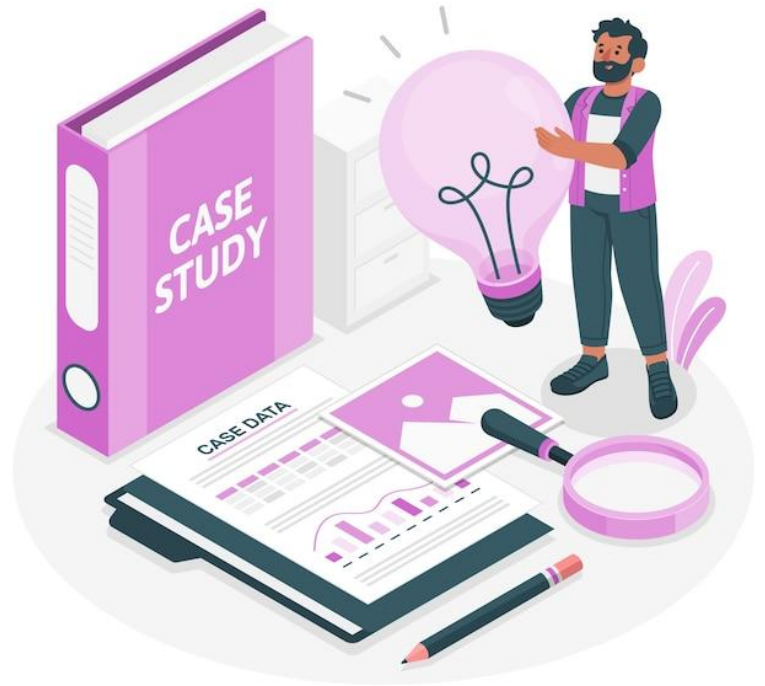
“Asking the right ‘What If’ today prevents incidents tomorrow.”



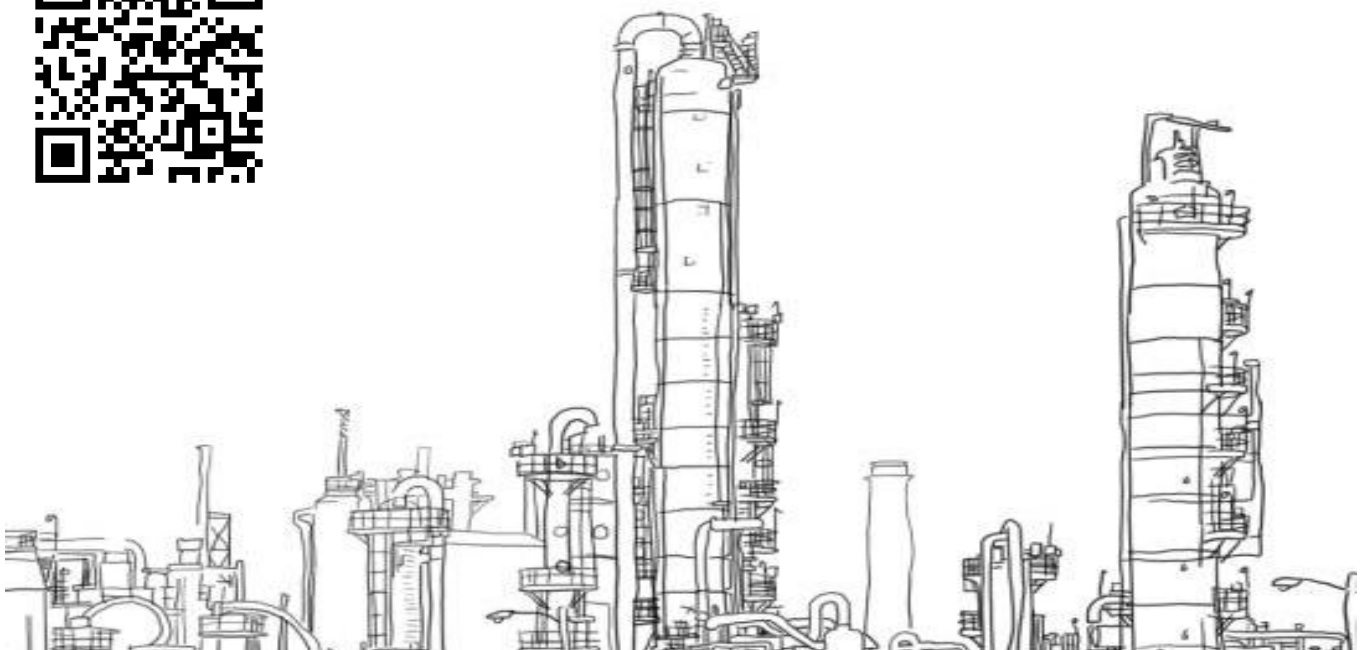
HSE-RMS successfully published a series of real-world case studies covering critical areas of process safety, risk assessment, and hazard management across diverse industries. These studies reflect practical challenges, engineering insights, and actionable safety improvements.

Key studies include:

- Dust Hazard Analysis (DHA) Insights
- HAZID Studies for Major Industries
- Vent Dispersion & Gas Release Analysis
- HAZOP & SIL Scribing Excellence
- Process Safety in Distillation Operations
- Emergency Preparedness & Response Planning
- And many more



Visit our website for detail case studies at <https://hse-rms.com/category/case-studies/>



HSE PROCESS SAFETY ACADEMY LLP



presents

1-Day Free Online International Webinar on Layer of Protection Analysis (LOPA)

Course # PSA-04

Promoted by

**HSE Risk Management
Services Pvt Ltd.**



Trainer – Mr. Swapnil Hosmani




Process Safety Consultant

- ✓ 22+ years of experience in Process Safety across Pharmaceuticals, Oil & Gas, Chemicals & Manufacturing
- ✓ Expert in HAZOP, LOPA, QRA, SIL, FMEA & Process Safety Management
- ✓ 21,000+ hours as HAZOP Chair & Risk Review Facilitator
- ✓ Certified by iChemE, Shell/PDO & Lloyd's Register (UK)

 **Date: 26th April 2026 (Sunday)**

 **Time: 10 AM to 4 PM IST**

 **YouTube**

-  **YouTube Channel: Yashpal Singh ki HSE Pathshala**
-  **Trainer YouTube Channel: Swapnil H**
-  **Subscribe for related content**

 **Register before: 20th April 2026**

 **Participation certificate will be provided**

www.hseprocesssafetyacademy.com
www.hse-rms.com

HSE PROCESS SAFETY ACADEMY LLP



presents

1-Day Free Online International Webinar on Safety Integrity Level (SIL)

Course # PSA-05

Promoted by

Mr. Mohan Narayan Limaye

EHS & Functional Safety Consultant



Trainer – Mr. Mohan Narayan Limaye

EHS & Functional Safety Consultant

Industry Exposure:

- ✓ Instrumentation Engineer with experience in Nuclear Power Plants, Cement Plants, and Engineering consulting companies in Chemical, Petrochemical, and Oil & Gas sectors in India and the UK.

Professional Recognition:

- ✓ Recognized as a Functional Safety Expert by TÜV SÜD, India

Training Experience:

- ✓ Conducted over 100 Functional Safety certification training programs (3-day duration) on behalf of TÜV SUD, India and trained over 1600 engineers and managers.


Current Role:

- ✓ Founder and Director of Risknowlogy Bharat Training and Certification Private Limited

 **Date: 16th May 2026 (Saturday)**

 **Time: 10 AM to 4 PM IST**

 **YouTube Channel: Yashpal Singh ki HSE Pathshala**

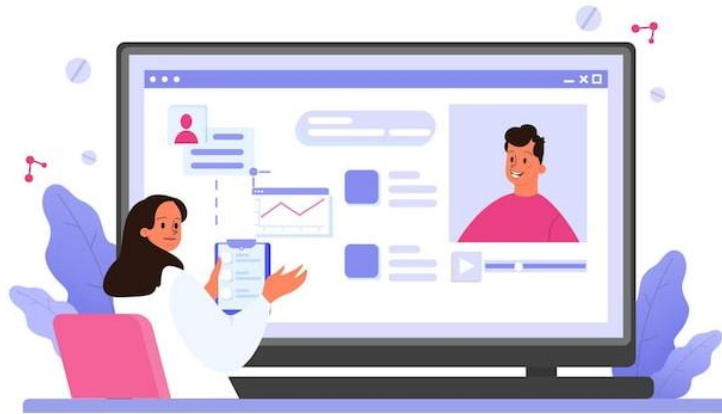
 **Subscribe for related content**

 **Register before: 10th May 2026**

 **Participation certificate will be provided**

www.hseprocesssafetyacademy.com
www.hse-rms.com

HSE Process Safety Academy has conducted 1-Day Free Online International Webinar on Machine Risk Assessment, Course #PSA- 03 conducted by Mr. Rajiv Narang on 28-03-2026. With over 100 participants globally, the session was a great success.



If you have missed the Webinar, don't worry find the recording of the session at our YouTube Page <https://www.youtube.com/live/wFhOdvFIUmo?si=NHZD4NLLF8eyyxmv> or scan at the QR below



INTRODUCTION

Machine is an assembly that has a drive system installed and that is constituted of linked elements / components, at least one of which moves and are joined together for a specific application.

Chain Drive
Pinch Points
Feed Rolls

Machine Safety Assessment

Hazard Evaluation		
Mechanical Hazards	Electrical Hazards	Material / Substance Exposure
Rotating shaft coupling	electrical shock	Leakage from mechanical joints
Moving impeller	Open electrical terminal	Pumped chemical exposure
Moving shaft in seal area	short circuit, fire	Flange Leak
Engagement with clothing		Spillage exposure
Thermal Hazards	Pressure Hazards	Ergonomic Hazard
H&I pump casing / piping during material transfer	Sudden release of fluid	1 discharge valve is at 7 feet height
Vibration Hazard	Noise Hazard	Radiation Hazard
only during abnormal condition	Standard equipment noise / surrounding noise is below 70dB	IA
	High / abnormal entring noise from bearings (abnormal condition)	
Hazards w.r.t. surrounding environment	Other special hazards (if any)	
Hazard Assessment	Equipment Diagrams / Risk Matrix / Hazard Assessment (F)	

Machine Information / Details

Item	Details
Equipment Description	Centrifugal Pump - SS 316
Equipment ID	P-101
Application	Chemical / acidic process fluid transfer at 70 deg C

Training Highlight

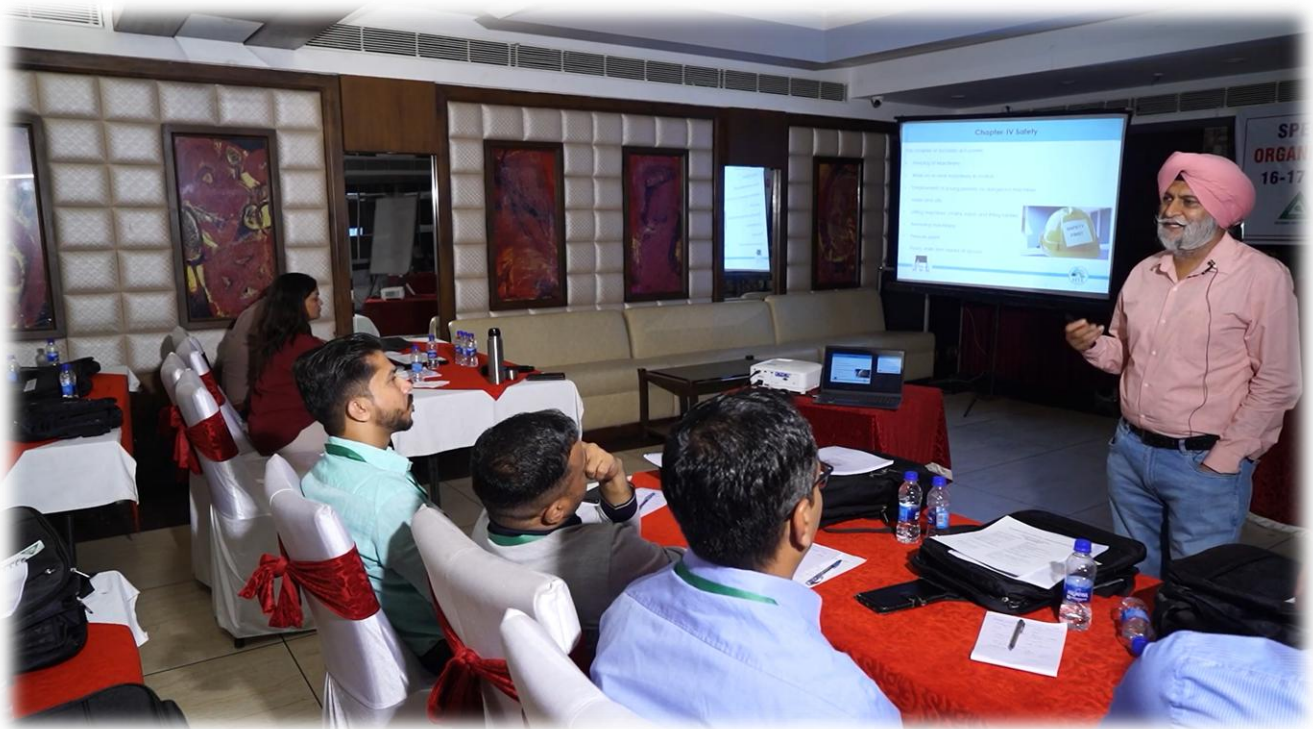
The North Zone Chapter of the National Safety Council successfully conducted a specialised training program on “**Organising & Motivating for Safety**” on **16–17 March 2026**.

Expert Sessions Delivered

During the program, Yashpal Singh, director of HSE Risk management Services Pvt. Ltd. delivered insightful sessions on:

- **Factories Act, 1948 – An Overview**
- **Effective Use of Health and Safety Audit**

These sessions focused on enhancing regulatory understanding, improving audit practices, and fostering a more proactive and structured safety culture within industrial environments.



Get Access at <https://youtu.be/0IKVXLwpmn8?si=BWfD2euXCiPHiLz0> or scan the QR Code



🎉 ✨ Foundation Day Celebration – 6 February 2026

🎉 🇮🇳 We celebrated not just another year... but a remarkable journey of passion, dedication and shared success.

👉 From humble beginnings to meaningful milestones, every achievement has been made possible by the unwavering support of our incredible team, trusted clients, valued partners and well-wishers. Your trust, encouragement and belief in us are the true foundation of everything we accomplish. With sincere appreciation and heartfelt gratitude, we thank each one of you for being an important part of our journey.

Here's to growing stronger together, reaching greater heights, and celebrating many more milestones in the years to come. The best is yet to come!



Academic Achievement



राष्ट्रीय मुक्त विद्यालयी शिक्षा संस्थान National Institute of Open Schooling (An autonomous institution under Ministry of HRD, Govt. of India)

The National Institute of Open Schooling (NIOS) is an autonomous institution under the Ministry of Education, Government of India, and is one of the largest open schooling systems in the world.

Recognized for their expertise, Yashpal Singh Ghaman and Shalini Singh have been appointed to the Course Development Committee of the National Institute of Open Schooling, playing a key role in the development and lesson writing of the FPIS (Fire Prevention and Industrial Safety) program.



Welcome to the official Career Hub of the HSE Process Safety Academy (HSE-PSA).

This platform is dedicated to connecting Process Safety Professionals (PSM), Technical Safety Engineers, and HSE specialists with quality career opportunities across the globe.

The group is open to all members, and everyone is encouraged to share job openings, opportunities, and industry updates to support the professional growth of the community.

Whether you are an aspiring engineer starting your career or an experienced professional seeking leadership opportunities in oil & gas, chemicals, or renewables — this platform is designed for you.

What to Expect

1. Direct Job Opportunities

Access exclusive vacancies shared by recruiters and hiring managers.

2. Professional Networking

Connect with industry peers, experts, and key decision-makers.

3. Market Insights

Stay updated on hiring trends, in-demand certifications (NEBOSH, TÜV, etc.), and salary benchmarks in the process safety domain.



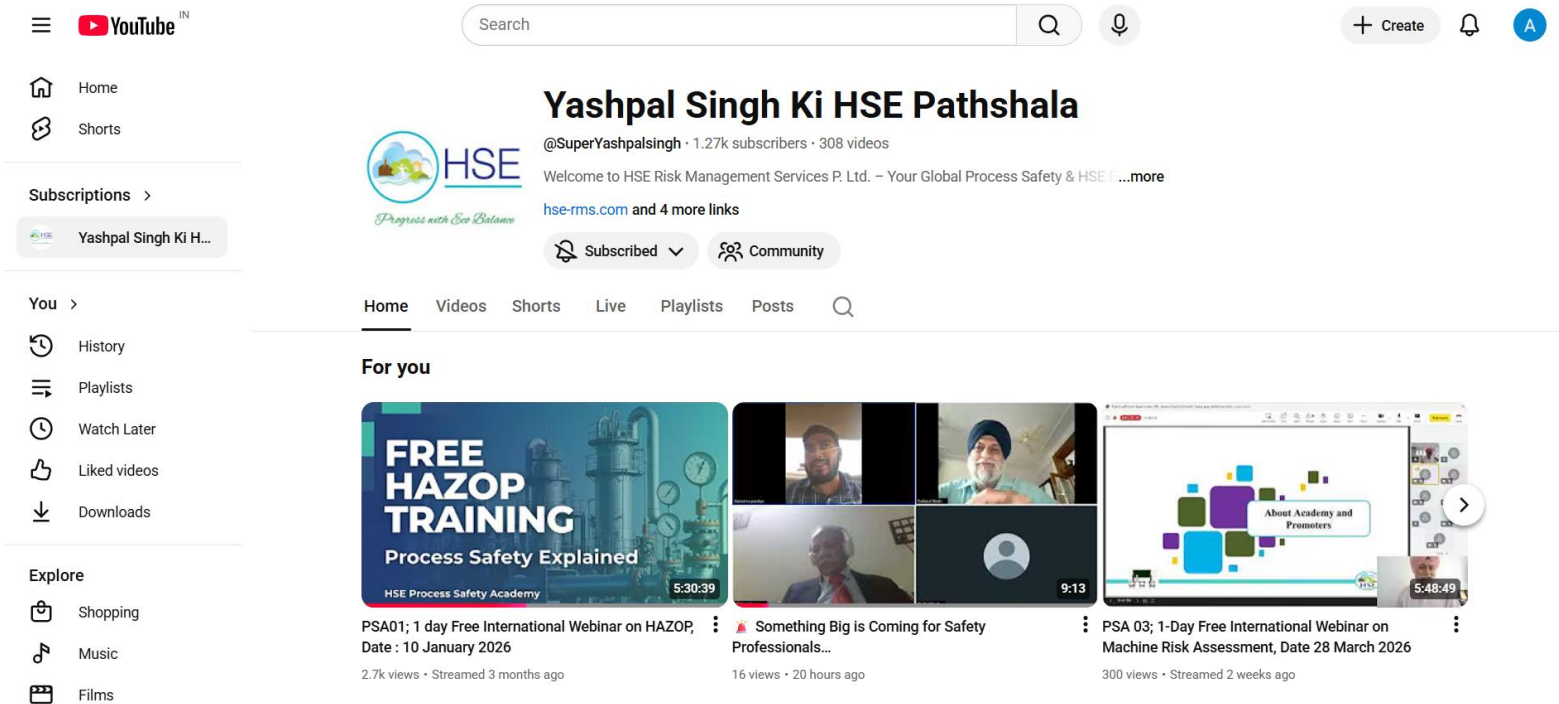
Channel Name: Yashpal Singh Ki HSE Pathshala

Channel Highlights: 1.27K+ Subscribers | 300+ Videos Published | 58K+ Views Achieved

The HSE-PSA YouTube Channel by Yashpal Singh is a dedicated platform for sharing practical knowledge, real-world insights, and industry-focused learning in Process Safety and HSE. Designed for both beginners and experienced professionals, the channel bridges the gap between theoretical knowledge and real industrial application.

What You'll Find on the Channel

- Process Safety Concepts Explained Simply
- Real Industry Case Studies
- Training & Webinar Highlights
- Career & Guidance Videos







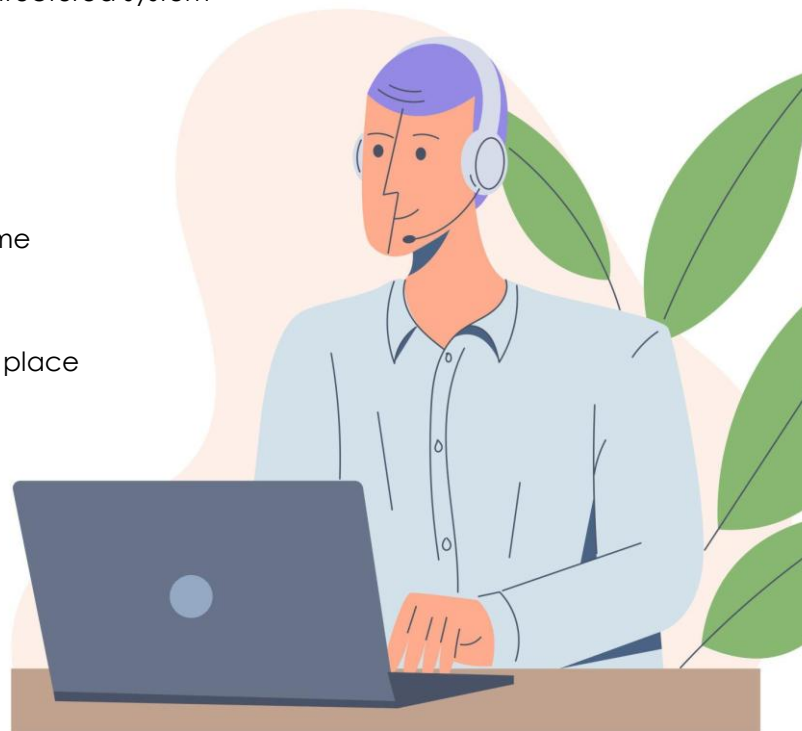
The screenshot shows the YouTube channel page for 'Yashpal Singh Ki HSE Pathshala'. The channel has 1.27k subscribers and 308 videos. The bio includes the website 'hse-rms.com' and a welcome message. The video feed features three recent uploads: a free HAZOP training video (5:30:39), a live stream about safety professionals (9:13), and another free international webinar on machine risk assessment (5:48:49).

ZOHO Desk

As part of our continuous efforts to enhance member experience, we are introducing a dedicated support system using Zoho Desk.

This platform will allow members to raise queries, track responses, and get timely support for all training, certification, and technical-related questions.

-  Raise Queries Easily
Submit your questions anytime through a structured system
-  Faster Response Time
Get prompt replies from our support team
-  Track Your Requests
Monitor the status of your queries in real-time
-  Organized Communication
All your conversations and solutions in one place



Why We're Introducing This

We understand that as our community grows, so do the number of queries.

With Zoho Desk, we aim to provide:

- ✓ Better support experience
- ✓ Improved response management
- ✓ Transparent communication
- ✓ Professional query handling system

Upcoming Initiative: Client Dashboard on Zoho Projects

Smarter Project Tracking. Greater Transparency.

To enhance client experience and project transparency, we are introducing a Client Dashboard using Zoho Projects — a centralized platform where clients can view, track, and interact with their projects in real time.

◆ **Key Benefits**

- Better project monitoring and control
- Improved collaboration between client and team
- Enhanced documentation and record management
- Time-saving with all updates in one place



What This Means for You

- Real-Time Project Visibility
- Centralized Information
- Task & Milestone Tracking
- Direct Communication
- Secure Access

◆ **How It Works (Simple Access)**

1. Client email is registered in the system
2. Invitation link is shared via email
3. Login / Sign-up with secure verification
4. Access project dashboard and start tracking

Major Boiler Explosion – India

A devastating boiler explosion at a thermal power plant in Chhattisgarh resulted in multiple fatalities and injuries. The incident is being investigated for possible safety lapses, equipment failure, and maintenance issues.



Refinery Fire & Explosions – Australia

A major fire broke out at the Geelong oil refinery, triggered by equipment failure and hydrocarbon leaks, leading to multiple explosions and shutdown of critical units.

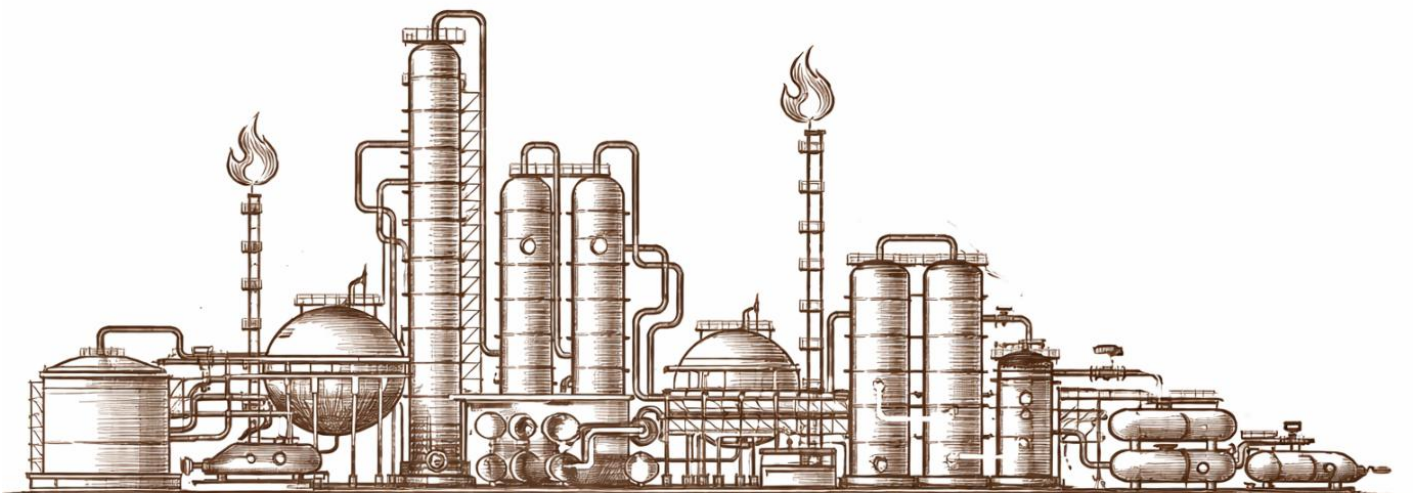
Quick Highlights

- Boiler explosion highlights maintenance gaps
- Refinery fire raises concern on aging assets
- Equipment failure remains a major risk factor



Recent Global Incident Trends

- Increased incidents related to pressure systems and boilers
- Equipment failure remains a leading cause of industrial accidents
- Growing focus on process safety audits and compliance checks



HSE Risk Management Services Pvt. Ltd.

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Website: www.hse-rms.com



Website: www.hseprocesssafetyacademy.com



Whatsapp Community: <https://chat.whatsapp.com/HEu7vpWGaX93UicbXWwpF0>



YouTube: www.youtube.com/@SuperYashpalsingh (Channel: Yashpal Singh Ki HSE Pathshala)



LinkedIn: [linkedin.com/in/yashpal-singh-558ba22a0](https://www.linkedin.com/in/yashpal-singh-558ba22a0)



Instagram: www.instagram.com/hseriskmanagementservicespl?igsh=MWJpODVvYXRjaXZ0Ng==

