

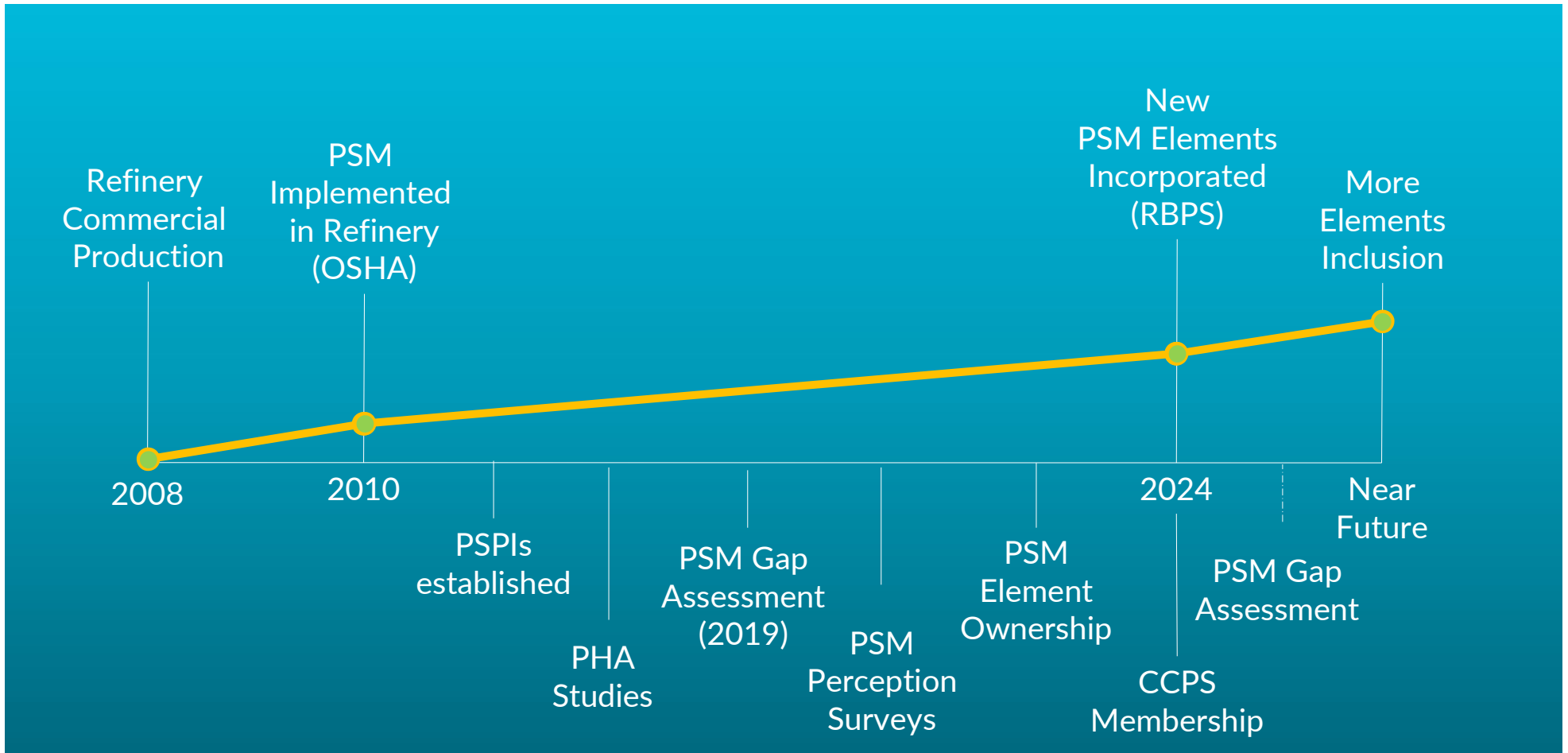
Embracing PSM and Monitoring of PSPIs

The effect of a good Process Safety Culture on PSPI effectiveness



2 January 2025

Nayara Refinery PSM Journey



Leadership Commitment – The core of Process Safety Culture

Leading by Example

Collaboration with IIT Delhi – Centre of Excellence
for Process Safety and Risk Management

F&G Mapping of Entire Refinery

Blast Protection of Field Cabins and O&M
Buildings

No-Incident months are dealt with caution without
celebration

Maintaining Learning Environment

Special focused group PSM training sessions

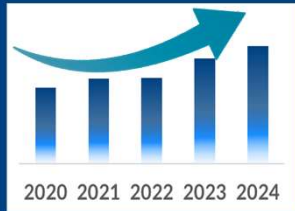
High Risk Groups Targeted

Senior Management PSM Sessions

Efforts for Contractual Staff PSM awareness

Incidents and Process Near Miss Analysis

Empowering Individuals



PNM Reporting Numbers

Transparent Online Reporting. Anybody can report

Online access available to contractual staff also at multiple locations

Hi-Po PNMs discussed in high visibility monthly meetings

Actions are auto tracked and delays are questioned

Timely Response to Process Safety Issues

Improving Sense of Vulnerability

Case Study discussion and Process Safety Video displays

Full 2-day Induction Training sessions for Contractual Staff

Process Safety Learnings sharing among employees and contractors

Process Safety Culture induction sessions for trainees

Walk through awareness sessions to contractor on plant hazards by Operations personnel

Effective Communication and PSPIs Monitoring

Multi Tier Safety Meetings

HSEF Theme of the Month Campaigns

API754 based Tier 1 and Tier 2 PSPIs taken as KPI

Tier 3 and Tier 4 PSPIs are discussed in senior level meetings and more focus on weaker ones

Safety Devices / interlocks Bypassed
Defect in Relief devices
Defeated Fire Systems

Online Leak Sealings
IOW/SOL Excursions
ERP Drills (Actual Vs Planned)

Hot Work and Line Break
Procedure Compliance
Process Near Miss Approved

Super-Critical Equipment (SCE) ITPM
status
RCA / Audits action status

Thank You