

**TOTAL PETROCHEMICALS**



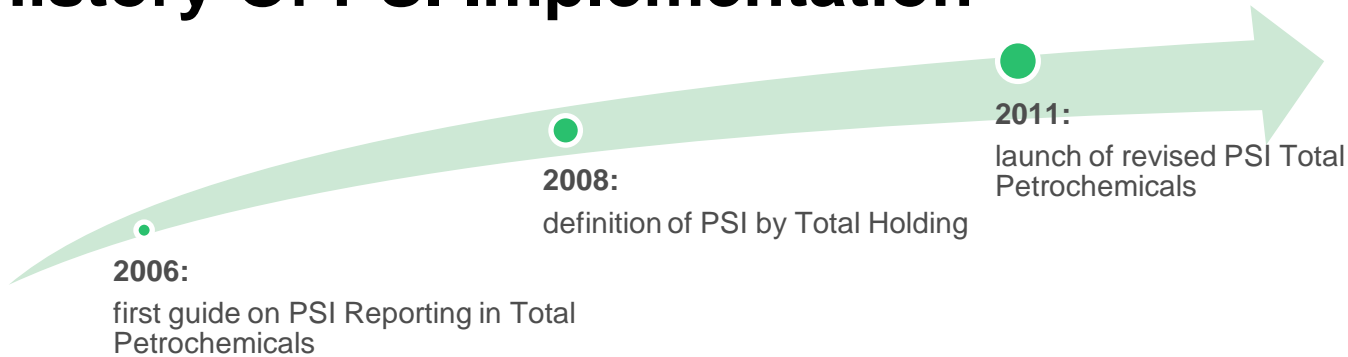
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PSI Event CEFIC/EPSC  
2012 January 31th – February 1st



# History Of PSI Implementation



## ▶ PSI on TOTAL Holding level

- Lagging:
  1. Number of loss of containments
  2. Number of fires and explosions
  3. Number of safety systems with failure identified during test, normal operation or inspection
- Leading:
  4. Reporting of near misses: Number/employee.
  5. Level of completion of the testing programs of safety critical measures (%)
  6. Level of completion of the actions defined as a result of incident/accident analysis, safety audits or risk analysis (%)

## ▶ Sample of additional PSI required by TOTAL Petrochemicals

- Number of bypasses on safety critical measures (and number of those exceeding 5 days)
- Number of excursions of the safe operating envelope
- Number of leak boxes and leak clamps on installations in dangerous product service
- ...

# Some challenges during development and enrollment



## ► Site ownership:

- PSI should be useful for the site, not only for corporate
- Existing site databases should allow easy feed forward to the centralized PSI reporting system

## ► Business ownership:

- Require strong commitment for follow-up by the business of the defined PSI

## ► Consistency in reporting on a global basis:

- Avoid inconsistencies in reporting by means of rigorous definitions of the PSI during the development
- Train the data collectors to avoid interpretation
- Use a simple common electronic platform to collect PSI data

# Some challenges during the operational phase



- ▶ Make PSI visible at all levels
- ▶ Ensure that PSI are being used by the business
- ▶ Ensure good communication on actions taken as a result of the analysis of PSI trends