



The miracles of science®

Safety management at hazardous installations



DuPont Company : 2 centuries of history

	1802	2004
Employees	100	60 000
Sites	1	210
Countries	1	70
Products	1	>2000
Customers	12	>25 000
Investment	\$ 36 000	\$ 36 billion
Revenue	\$ 500 000	\$ 27 billion



2 centuries of Safety

200 years of commitment to Safety

Designed to be Safe:

All accidents are preventable

Management committment is essential

Employees are key

Continuous Improvement

The Safety Commitment

- We will continuously improve our practices in light of advances in technology and new understanding in safety, health & environmental science
- We will adhere to the highest standards for the safe operation of our facilities and the protection of the environment, our people, our customers and the people of the communities in which we do business

The Goal is Zero

The four factors for success

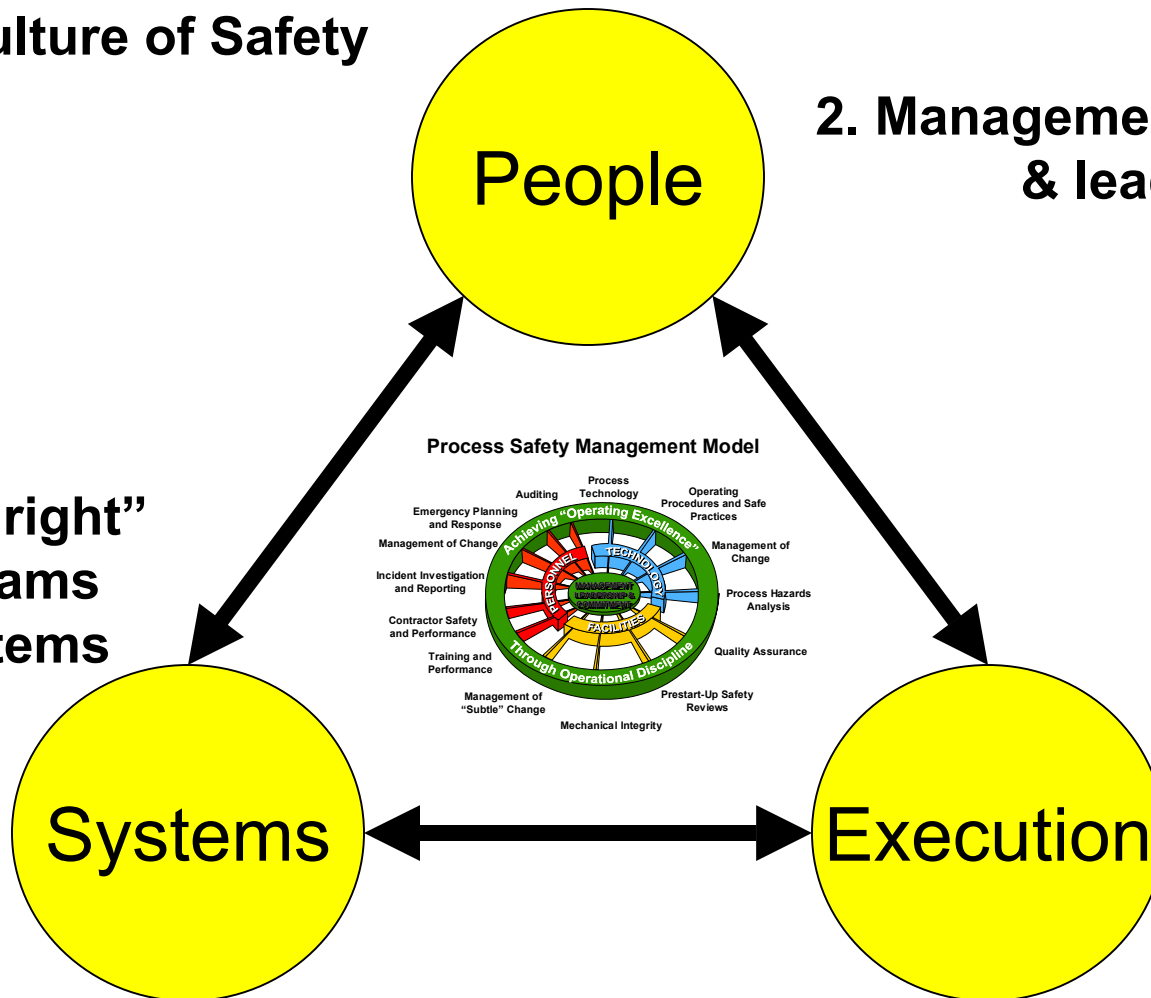
1. A culture of Safety

2. Management commitment & leadership

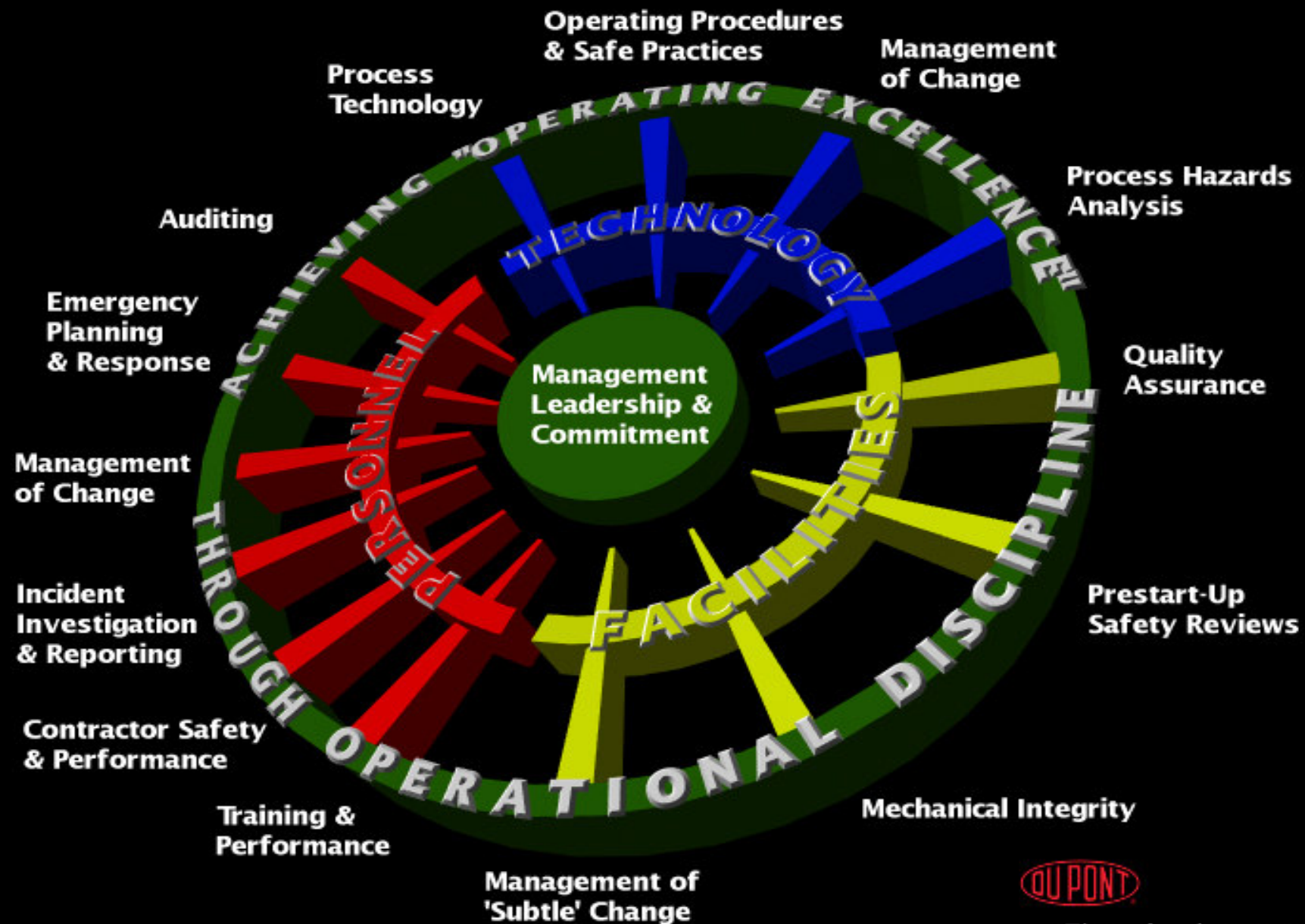
3. The “right” programs & systems

4. Operational Excellence

through
Operational Discipline



The right tool: The Process Safety Management Wheel



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The design: ISP

(Inherently Safer Processes)

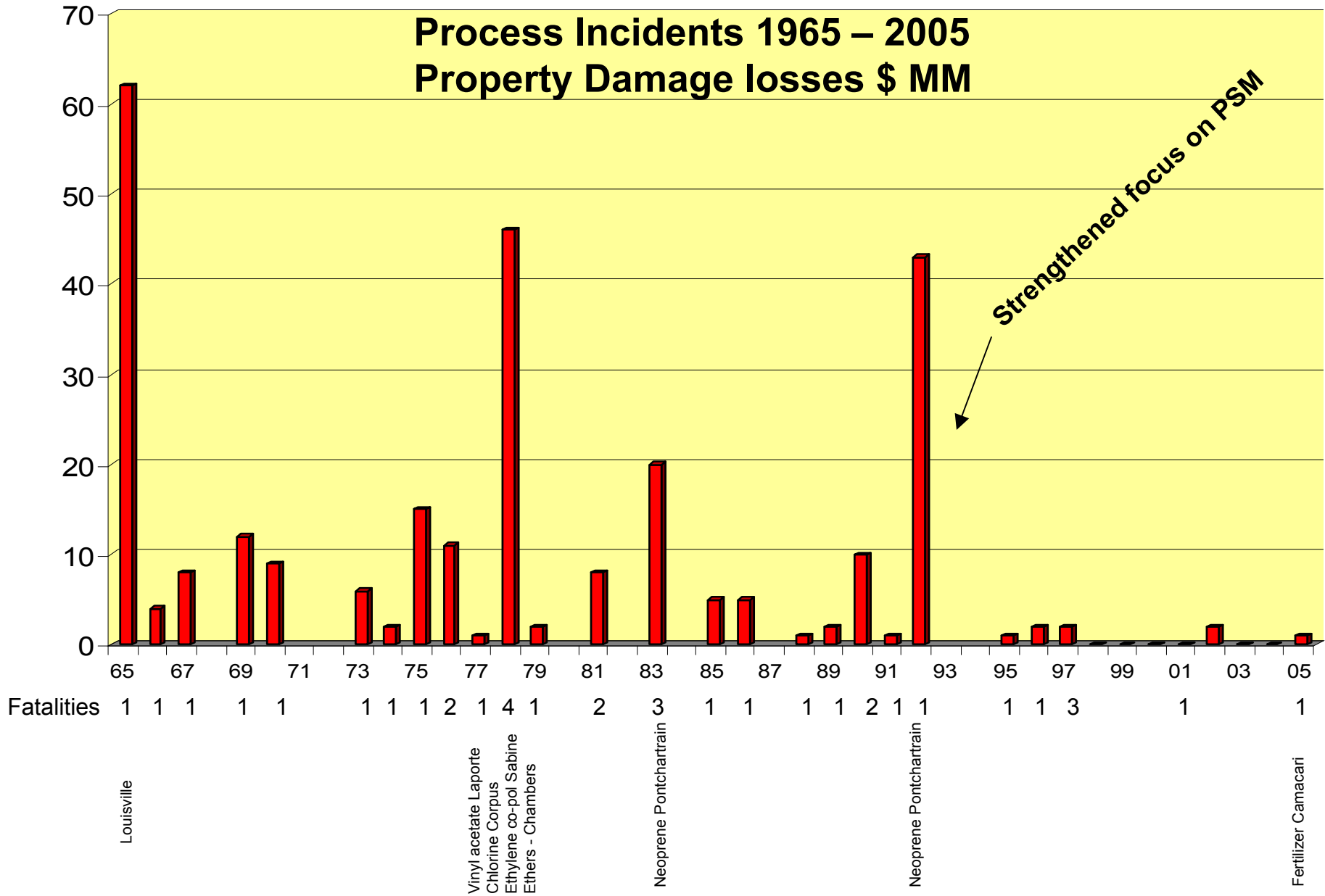
The pursuit of designing hazards out of chemical processes and equipment, rather than the use of engineering or procedural controls to reduce the frequency or mitigate the consequences of potential hazardous events.

The 4 Critical Success Factors

- **The Safety culture**
- **Management commitment & leadership**
- **The right programs & systems**
- **Operational Discipline**

Process Incidents 1965 – 2005

Property Damage losses \$ MM



Strengthened focus on PSM

Process Safety Management

A never ending combat, with a clear direction:

No accidents through prevention

Yes, but

Be prepared for the worst