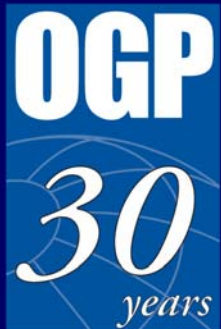


DRAFT 2.0

***What are the Major Health,
Safety and Regulatory Issues
and Concerns in Worldwide
Operations?***

***Presentation to IRF Conference
30/31st March and 1st April 2005***



**International
Association
of Oil & Gas
Producers**

***Volkert Zijlker
Chairman of the OGP Safety Committee***

Objectives of Presentation

- Share insights into safety incidents
- Present OGP initiatives with respects to:
 - The underlying causes of fatalities and major incidents
 - Managing major accident risk
- Consider the contributions made by industry standards and guidance in reducing incidents
- Consider how the industry and regulators can work together to improve H&S performance

Base region of Members

OGP Committees

- Safety Committee
- Health Committee
- Environment Committee
- Standards Committee

Europe

AMI	ENI	NOGIPA	Shell
BP	IFP	Norsk Hydro	Statoil ASA
BG Group	IP	OLF	TotalFinaElf
Cairn Energy	IPIECA	OMV	UKOOA
DONG	IOQA	Repsol-YPF	WEG
Denerco	Mærsk	Schlumberger	

38 members active in region

Russia & Caspian region

AgipKCO
Yukos

25 members active in region

Asia & Australasia

BHP Billiton	Petronas Carigali
CNOOC Ltd	Premier Oil
JNOC	PTT EP
Pertamina	

26 members active in region

Members Produce >50% oil and 30% gas

Middle East

ADNOC	Rasgas
Kuwait Oil	RECSO
Qatar Petroleum	Saudi Aramco

24 members active in region

Africa

Greater Nile Petroleum
SONATRACH

25 members active in region

South America

ARPEL	PDVSA
Hocol	Petrobras

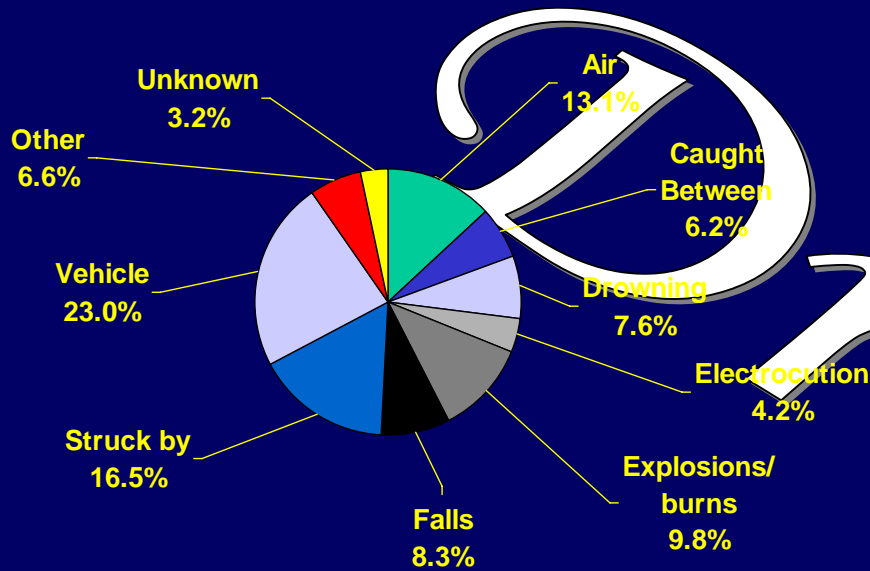
26 members active in region

North America

Amerada Hess	Halliburton
API	Marathon
Anadarko	Occidental
ChevronTexaco	Pemex
ConocoPhillips	PetroCanada
ExxonMobil	

23 members active in region

Fatalities¹

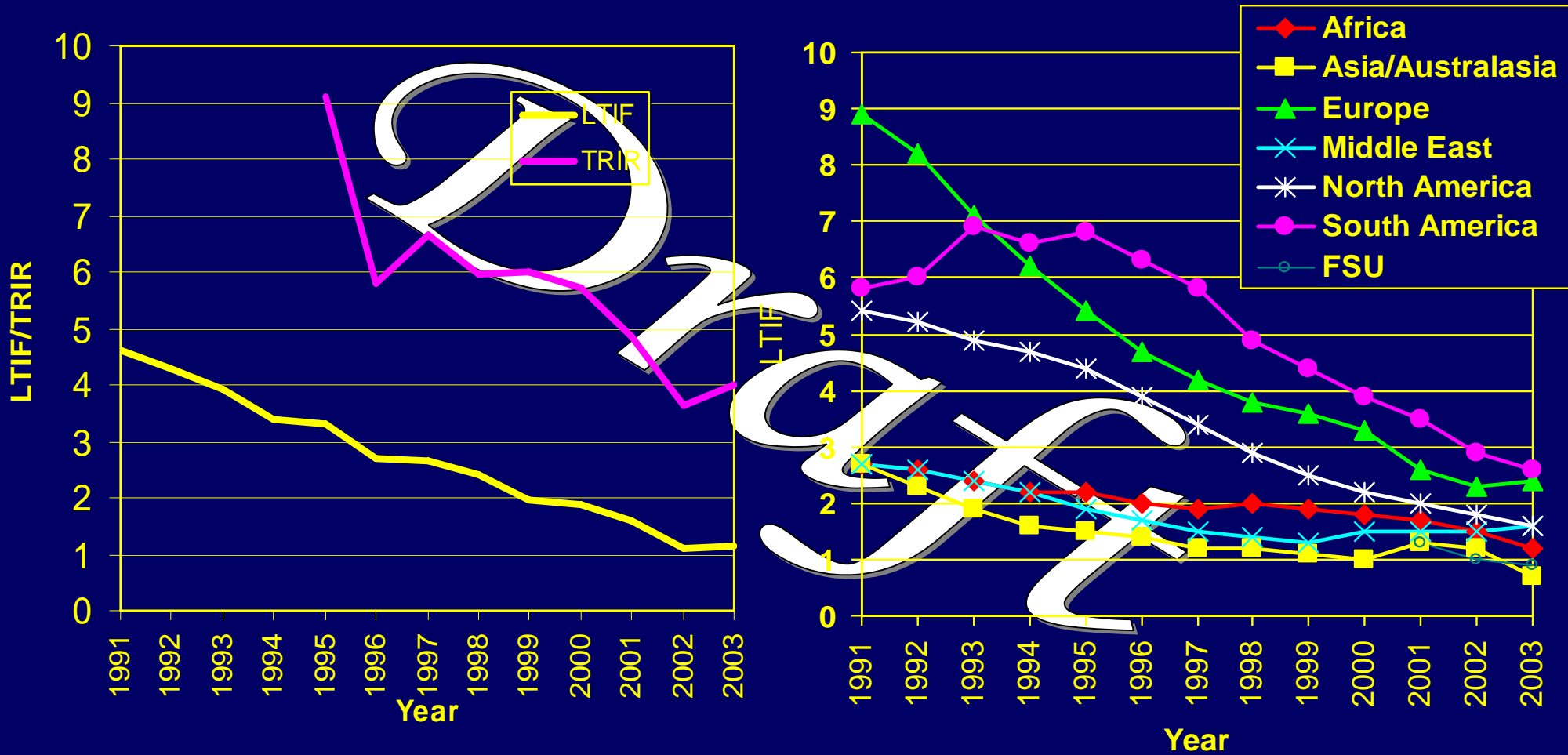


1991 - 2003



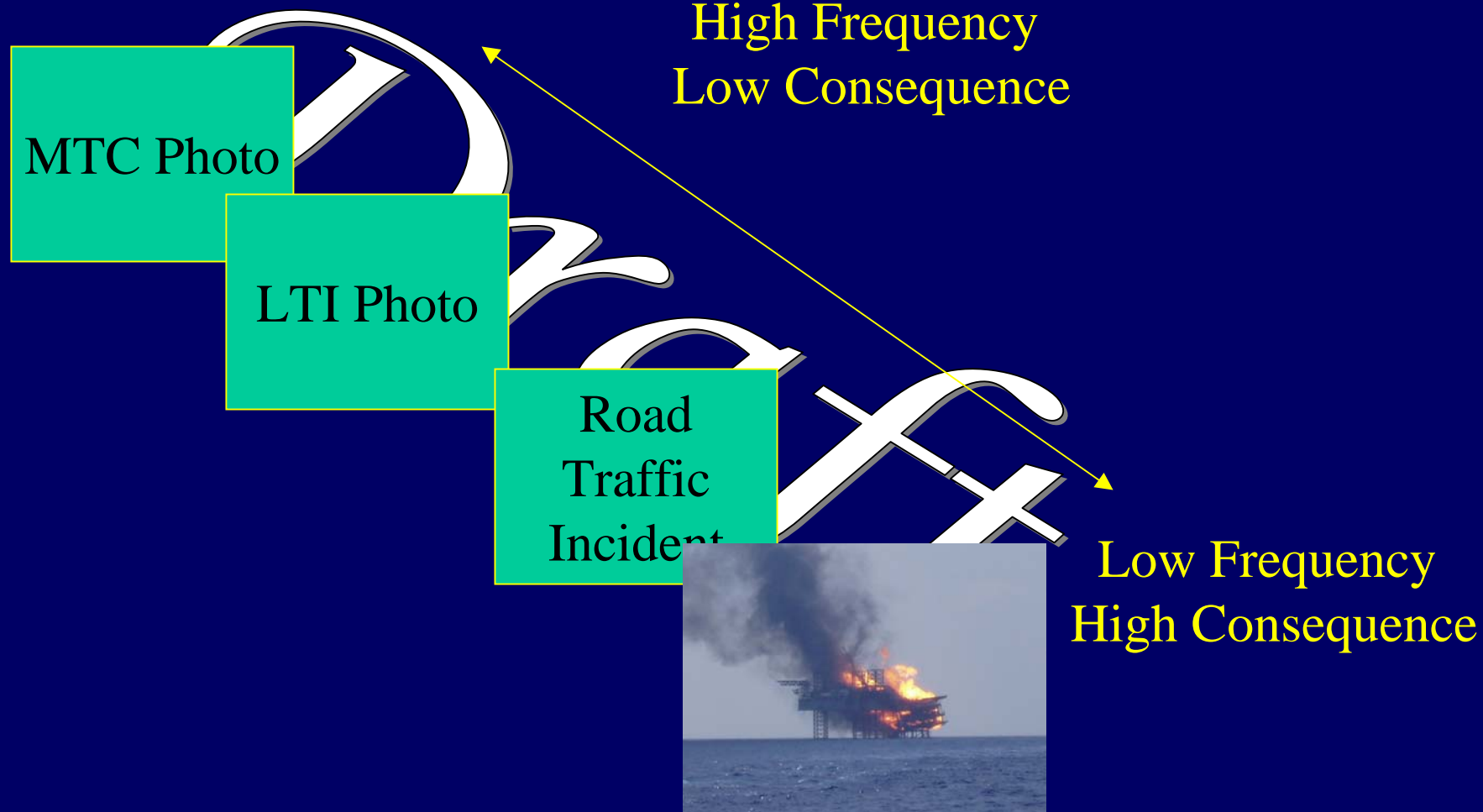
¹ FAR: Number of fatalities per 100 million workhours, includes company and contractor personnel, onshore and offshore activities

Lost Time Injury Frequency¹

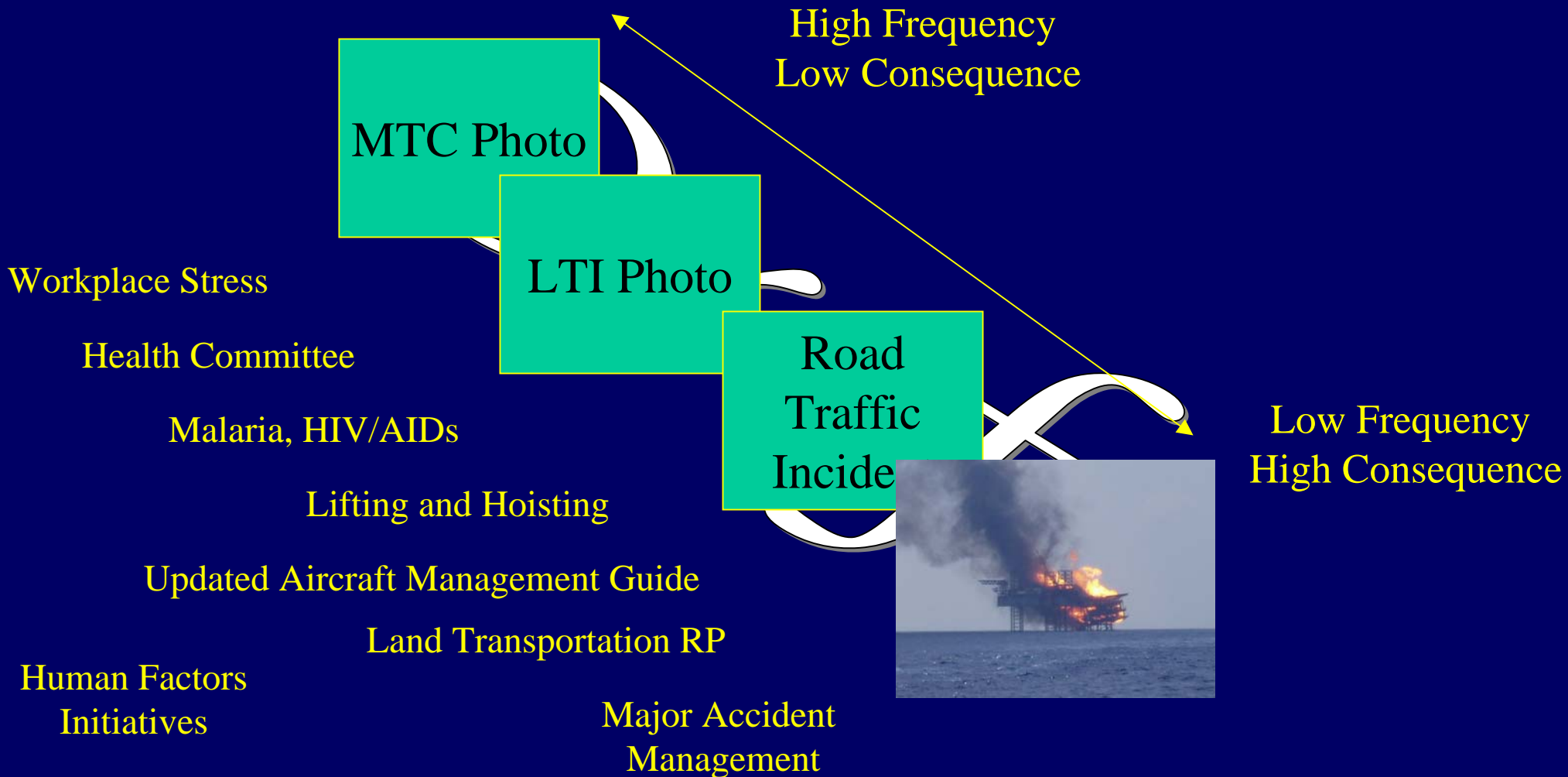


¹ LTIF: Number of lost workday cases per 1 million workhours, includes company and contractor personnel, onshore and offshore activities

What Constitutes a Safety Incident?



What Constitutes a Safety Incident?



Beyond regulations

Land Transportation Safety - Example

- Vehicle related incidents remains the single greatest cause of fatalities associated with E&P operations.
- Application of local regulations, in itself, has not delivered adequate safety performance.
- Though the development of new recommended practices - which exceed regulatory requirements anywhere in the world – we expect to reduce the incident rate.

Managing Major Accident Risks

- Accident Statistics tell us little about major accident risks
- Need to continue to improve how we assess and manage these types of risks
- OGP Safety Theme for 2006



What do we want from the regulators?

- Recognition of the existence of an effective process to develop industry guidelines linked to key risk areas
- Recognition by regulators of industry practices, standards and guidelines
- Differentiation of safety incidents
- Risk based regulator engagements/response