

Safety Culture Evolution & Human Element

Who we are



SAFETY CULTURE &
RESILIENCE



MARINE SAFETY &
SAFETY INTELLIGENCE
WEAK SIGNALS



HR TOOLS
(CREW ASSESSMENT TOOL)



PERSONALIZED EVIDENTIAL
TRAINING (PET)

VENLYS Worldwide



100 years of safety

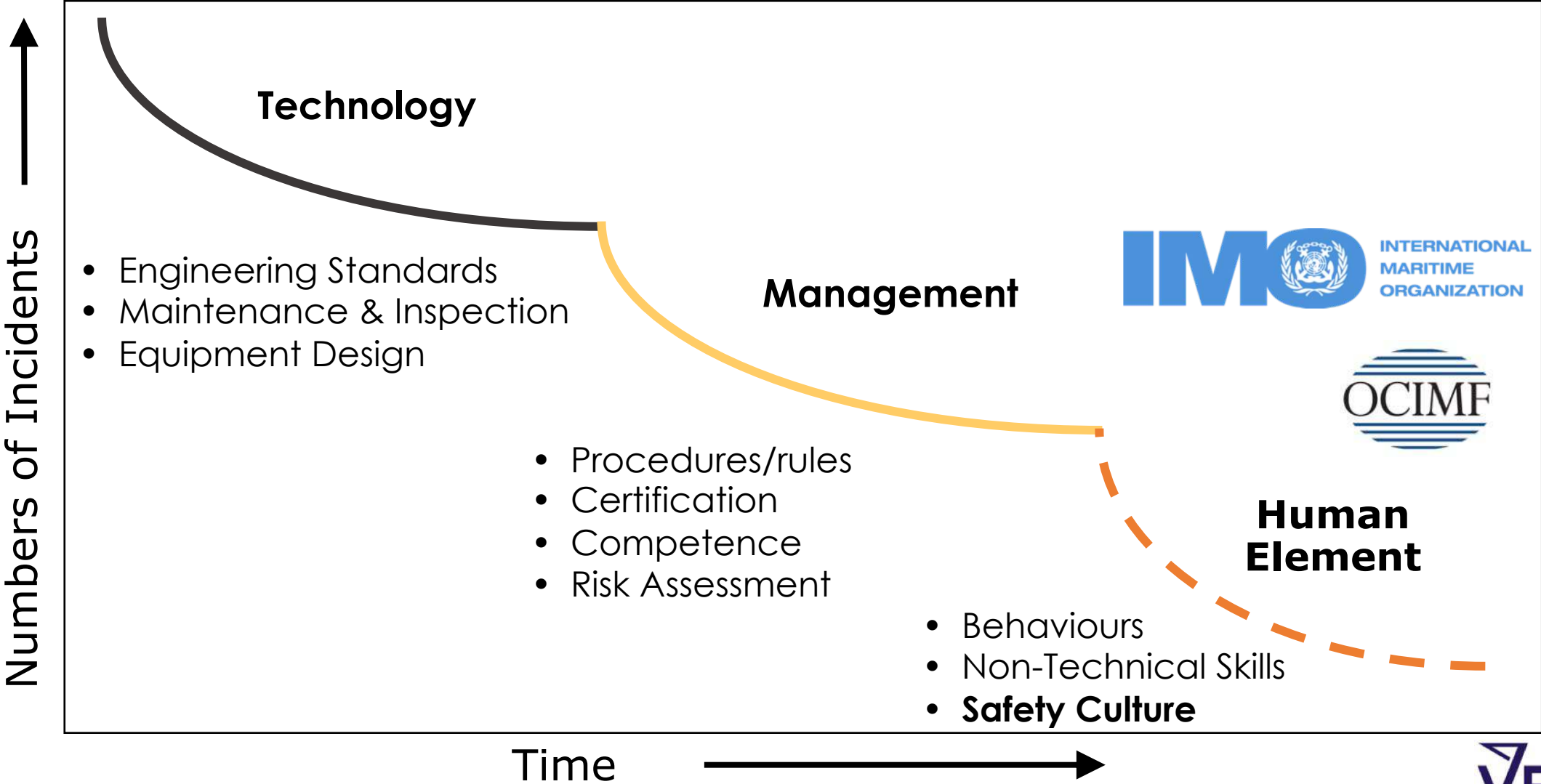


**Costa Concordia HF analysis
submitted to MSC 92**

*“the Master’s unconventional
behaviour ... represents the main
cause of the shipwreck.” (p.9)*



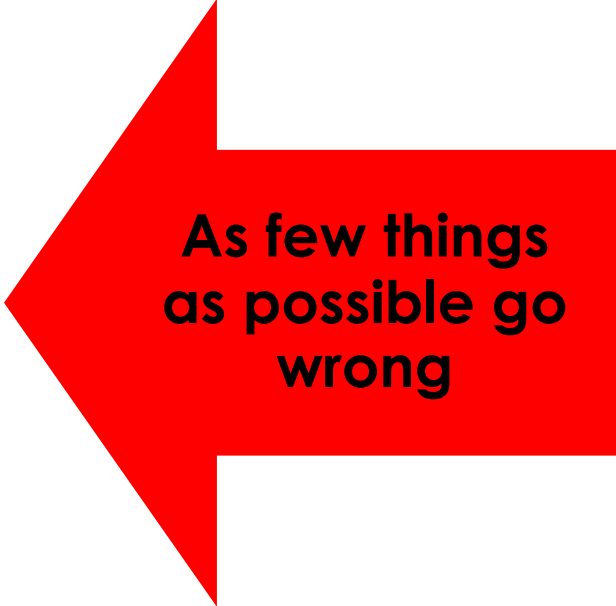
The evolution of safety in our industry



Safety I to Safety II

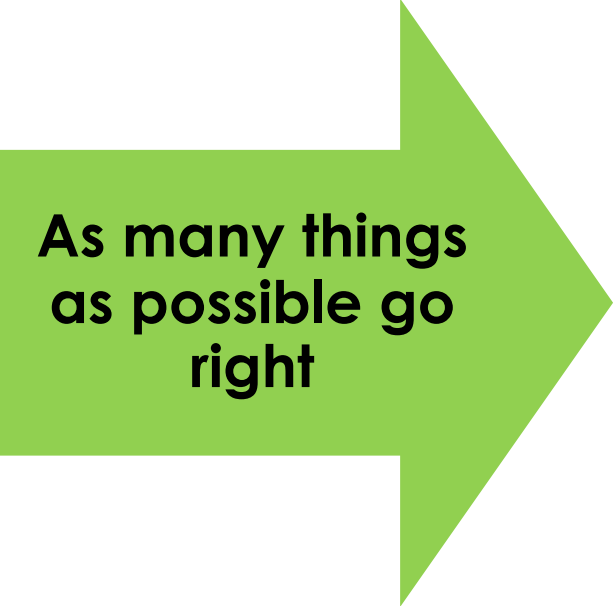
SAFETY-I

SAFETY-II



**As few things
as possible go
wrong**

Be prepared to
anticipate specific
adverse conditions



**As many things
as possible go
right**

Focus on mistakes and try
to reduce them

Focus on human Element

Enhance Human Performance

Focus on Human Element

Cognitive

Situation Awareness

Decision-Making

Social

Communication

Teamwork

Personal Resource

Leadership

Managing Stress

Coping with Fatigue

(Finn et. al., 2008)

The history of Safety Culture

“Safety culture is a part of overall culture in organizations and it reflects shared belief and values amongst them. **Safety Culture is basically defined as how an organization behaves when no one is watching**”

(International Atomic Energy Agency, 1986)



An iceberg floating in the ocean. The tip of the iceberg is visible above the water surface, while the much larger, jagged base is submerged below. The water is a deep blue, and the sky is a lighter blue with some clouds.

What is Safety Culture?

1. Organization
2. Environment
3. Procedures
4. Projects
5. Safety accountability
6. Values
7. Stories

- Attitudes
- Beliefs
- Perceptions
- Behaviours

Safety Culture in other high risk industries



Safety Culture in Maritime Industry

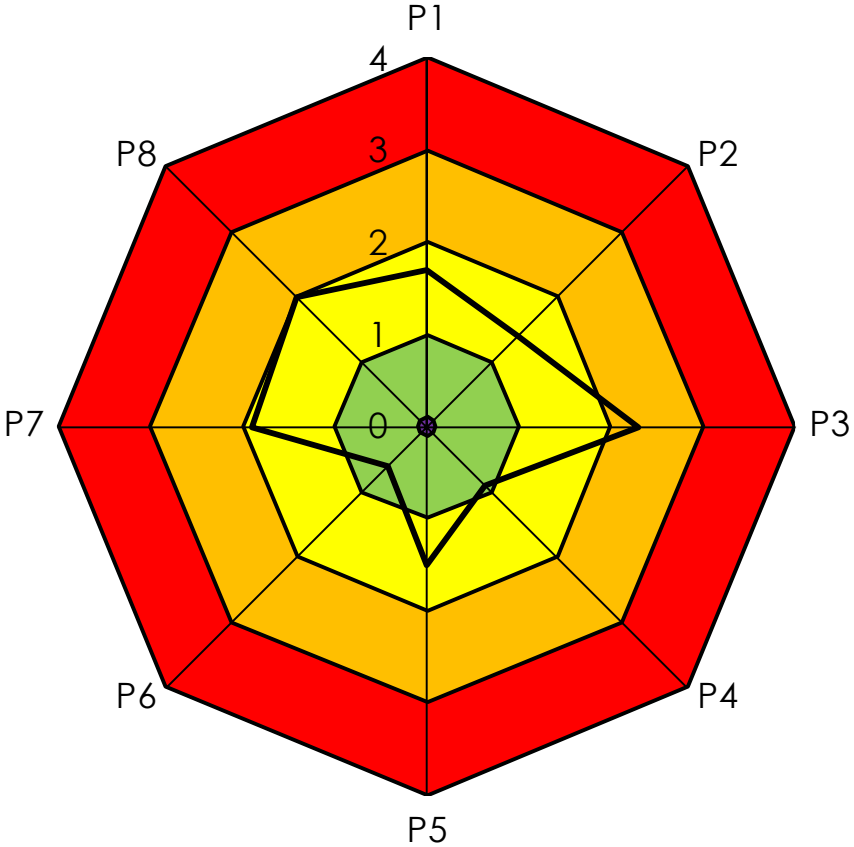
“A **philosophy promoting safety** as the ultimate consideration **for all company personnel** and **applied to all activities** undertaken, both ashore and at sea”

(TMSA 3, 2017)

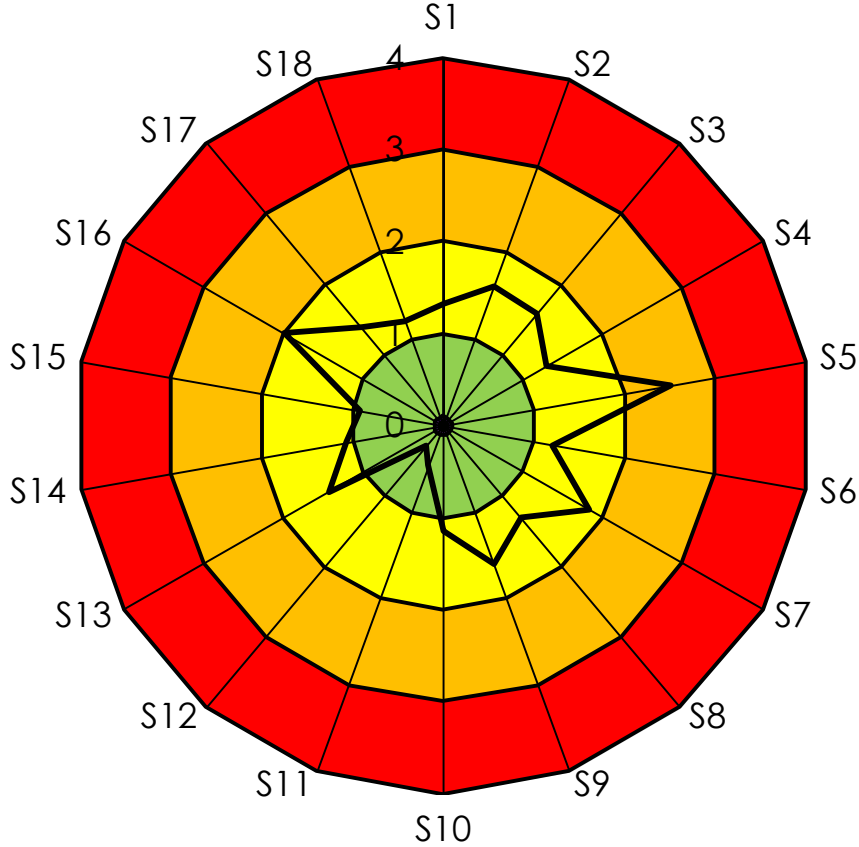


Our experience

PEOPLE



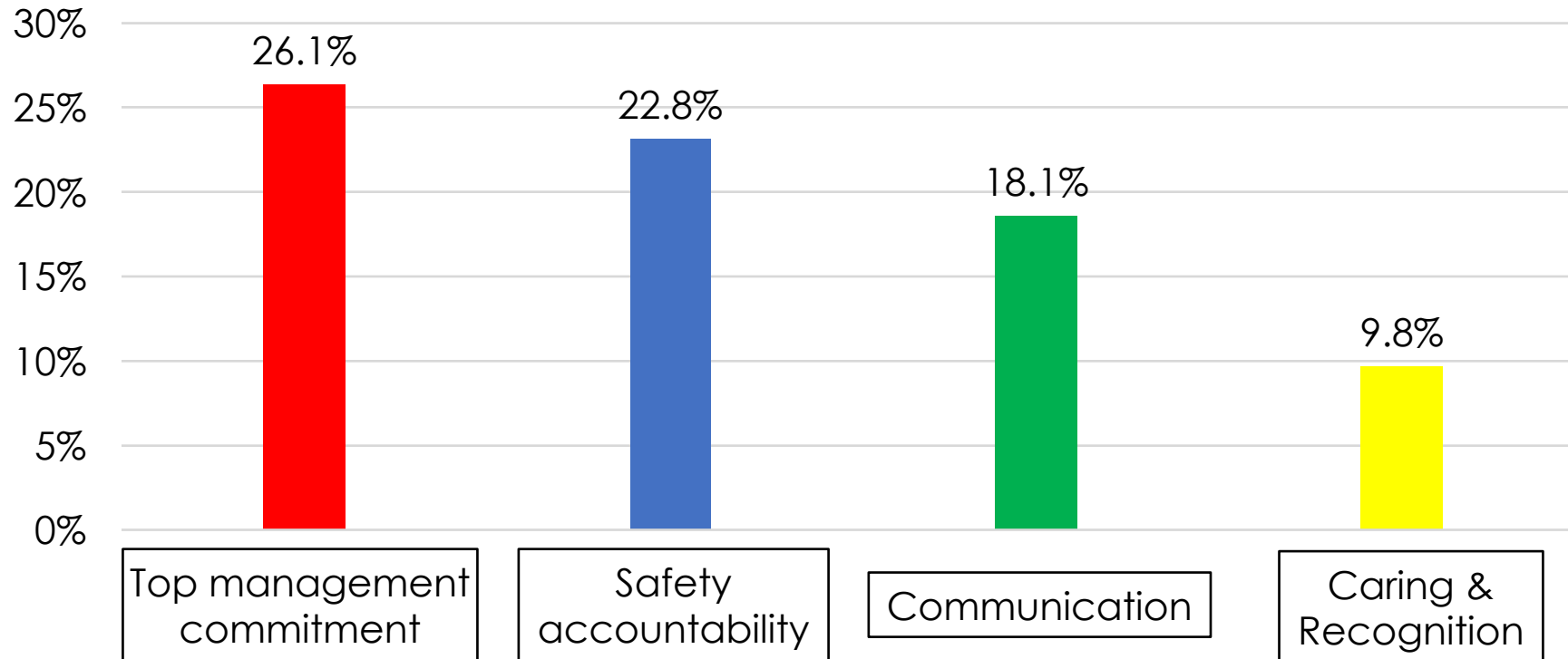
SYSTEMS



- Basic
- Reactive
- Planned
- Proactive
- Resilient
- Company

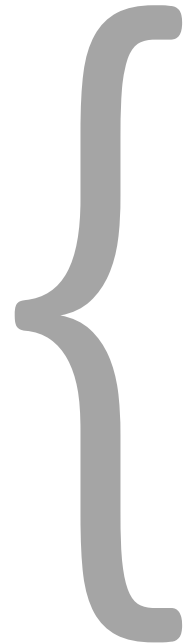
Our experience

Low performance factors



Safety Culture & Human Element

**Human
Performance**



Work Environment

Social Environment

Cognitive Environment

Human Limitations

Safety Culture



Thank You for your attention!