



**NOPSEMA**

Australia's offshore  
energy regulator

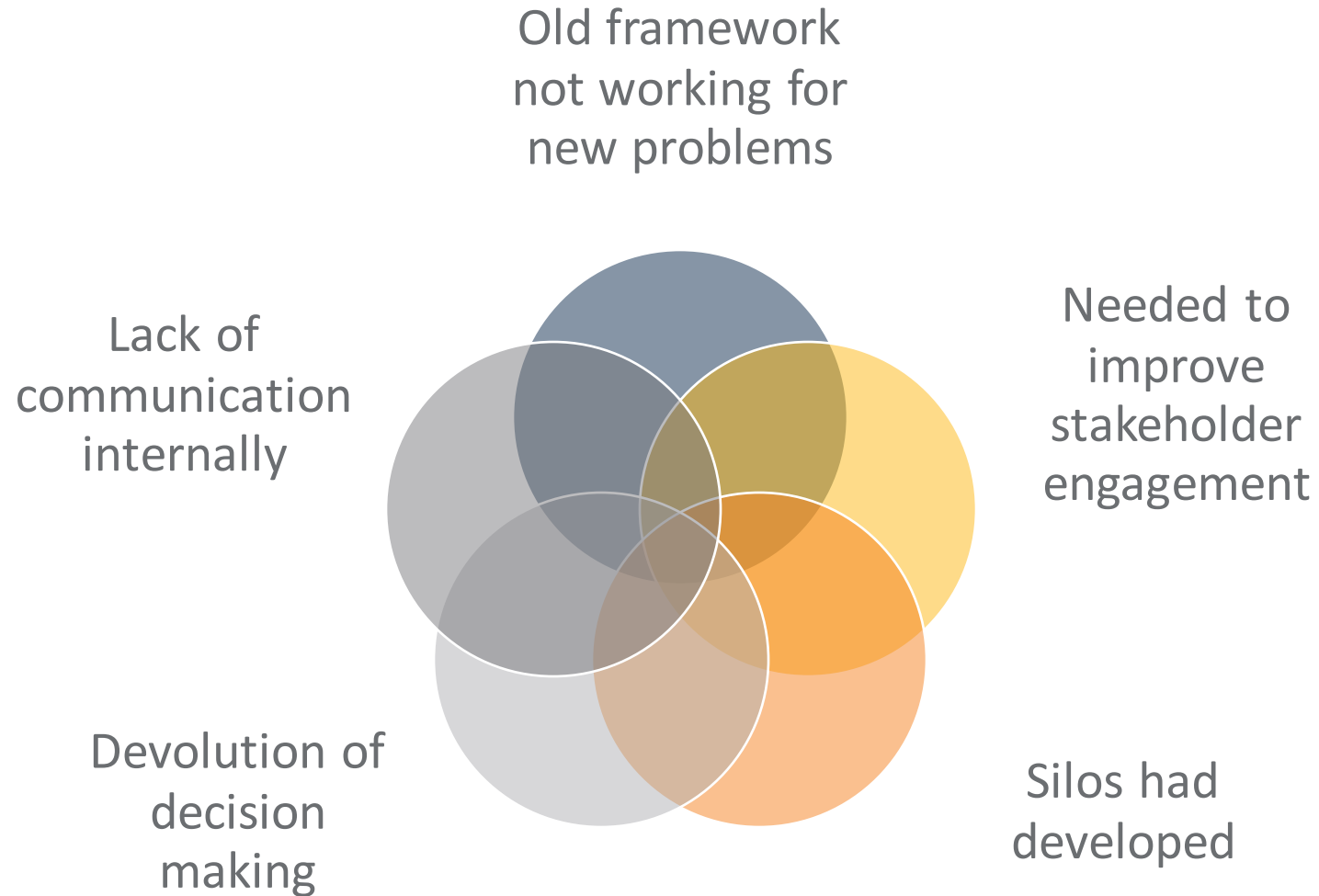
## Regulatory Frameworks

Application of a problem-centric approach  
to strategic compliance

[nopsema.gov.au](http://nopsema.gov.au)



# What was the problem?



# What was NOPSEMA's solution?

Conceptual representation of original framework

## **Monitoring strategy**

*Assessment* – establish the boundary for what is safe and responsible (ALARP and acceptable)

*Inspection* – confirm whether duty holders are acting within those boundaries.

## **Enforcement strategy**

*Investigation* – determine, in detail, the size and shape of the compliance gap and the reasons for it

*Enforcement* – close the compliance gap

## **Promote and advise**

*Promote* – good practice and continual improvement

*Advise* – on how to comply and how we regulate

# What was NOPSEMA's solution?

≈80%

## Strategic compliance focus areas

- A: Preventing major accident events
- B: Preventing loss of well control
- C: Effective oil pollution emergency preparedness
- D: Responsible asset stewardship

## Inspection Focus areas

Priority areas of impact and/or risk targeted via our monitoring strategy

## Monitoring strategy

*Assessment* – establish the boundary for what is safe and responsible (ALARP and acceptable)  
*Inspection* – confirm whether duty holders are acting within those boundaries. Identify risks.

## Enforcement strategy

*Investigation* – determine, in detail, the size and shape of the the risks associated with an incident, compliance gap and the reasons for it  
*Enforcement* – close the compliance gap, address the risks

## Promote and advise

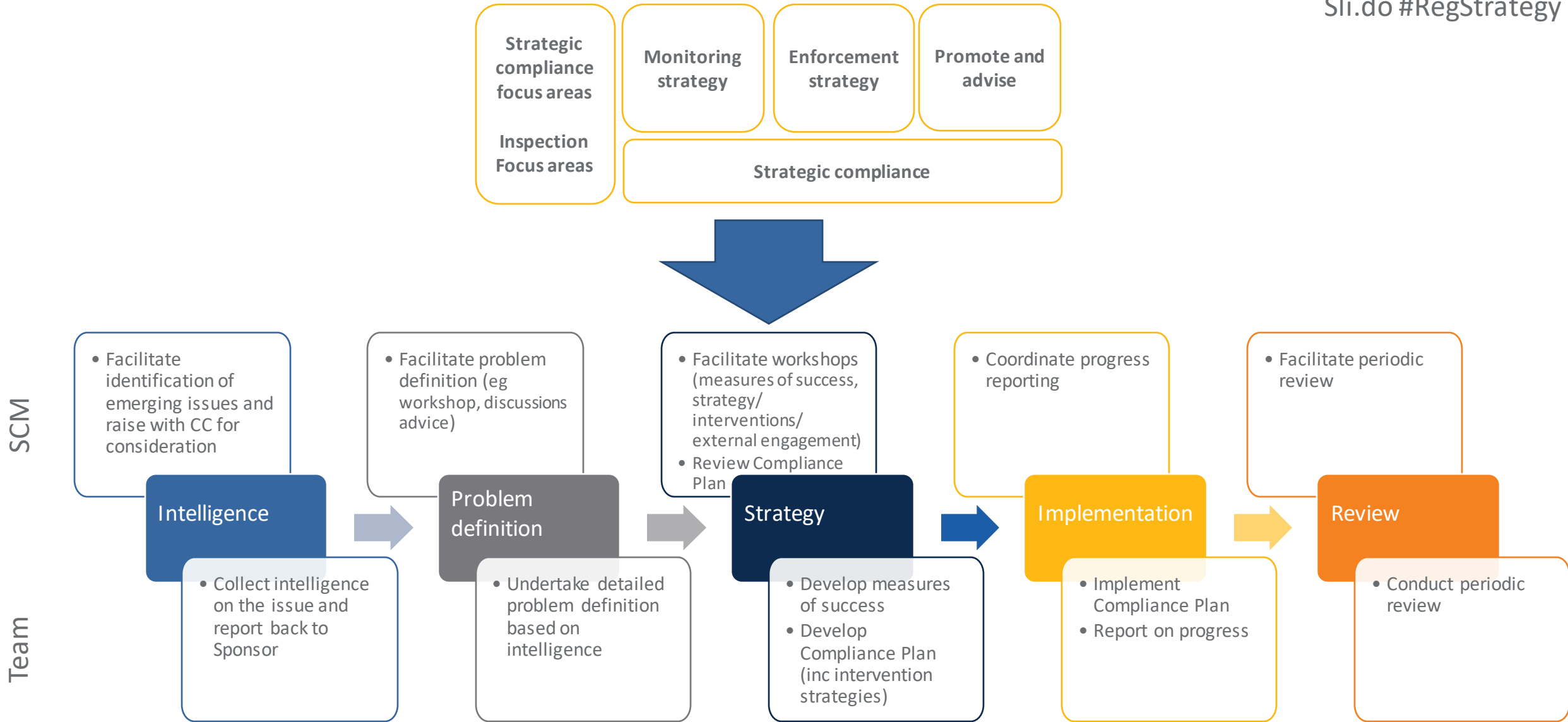
*Promote* – good practice and continual improvement  
*Advise* – on how to comply and how we regulate

## Strategic compliance

When the risks or the impacts can't be effectively managed through our normal processes, we seek to take a problem-centric approach to analysing the issue, using our normal tools in a more targeted way, enlisting the help of others and developing new ways to reduce the risk.

≈20%

# What was NOPSEMA's solution?



# Outcomes of adopting a problem-centric approach

## REDUCING THE COVID-19 THREAT: EFFECTIVE REGULATORY APPROACHES



operators and identified leading practices that were then disseminated to industry for adoption. A COVID-19 Risk Management Strategy was published.

## ENHANCING COMMUNITY ENGAGEMENT ON PROPOSED SEISMIC ACTIVITY

### Description

Upon recognising growing community concern over the potential

Amendments to the Environment Regulations in 2019 require a 30-day consultation period for seismic and

## STOPPING THE SPREAD OF OFFSHORE MARINE PESTS

## MANAGING AGEING INFRASTRUCTURE

With most of Australia's offshore facilities more than 20 years old and entering a phase where they require extra attention

issue, NOPSEMA has prepared a guidance note that reflects the risks associated with ageing assets and how these risks may be

## REDUCING OPERATIONAL RISK ON DRILLING RIGS

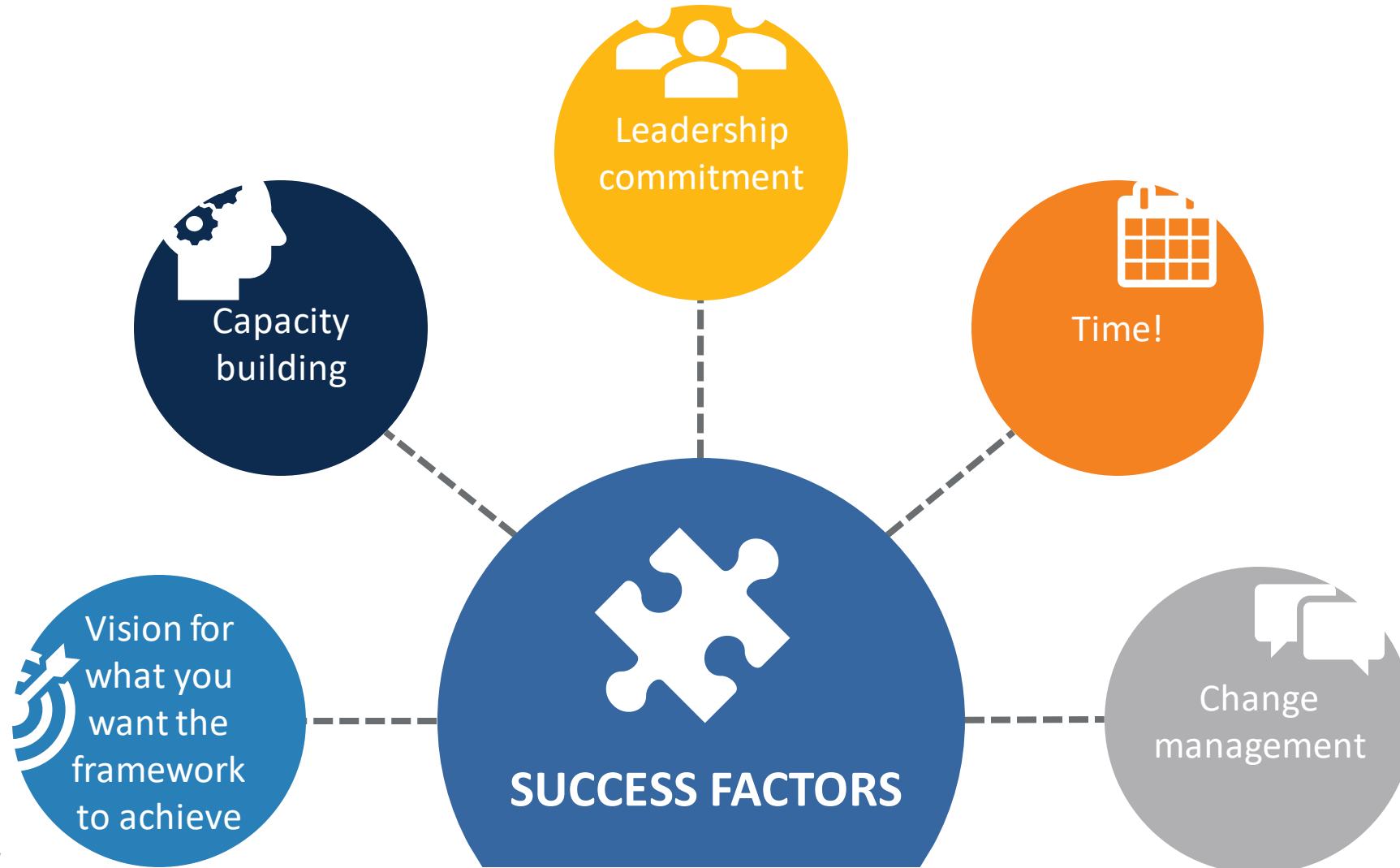
Solution  
A heightened focus on safety during well inspections

- Cross-checking of WOVIP, Safety Case and Environment Plan.
- Titleholder/drilling contractor

## ACHIEVING SAFER AUTOMATED POSITIONING SYSTEMS FOR VESSEL FACILITIES

## STRENGTHENING RELATIONSHIPS WITH HEALTH AND SAFETY REPRESENTATIVES

# Challenges implementing a problem-centric approach



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