

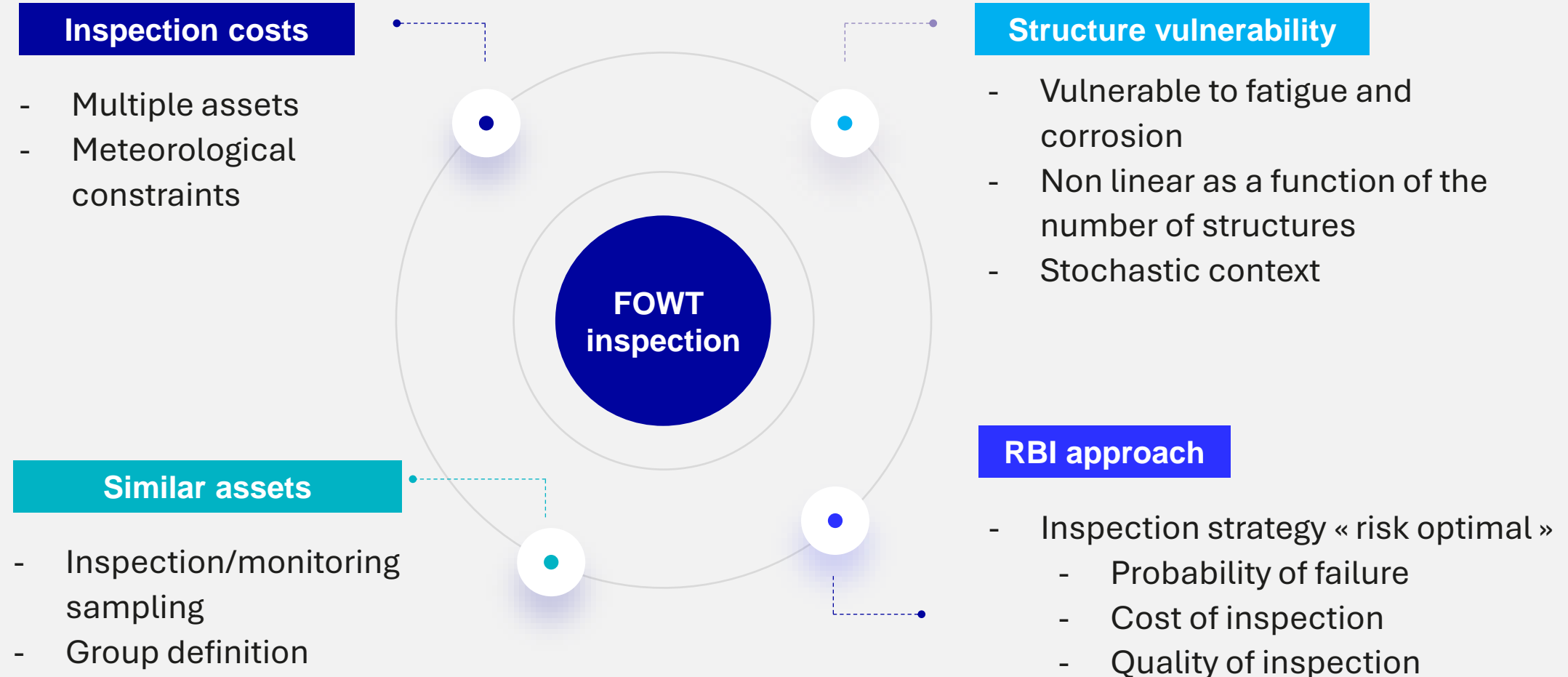


BUREAU
VERITAS



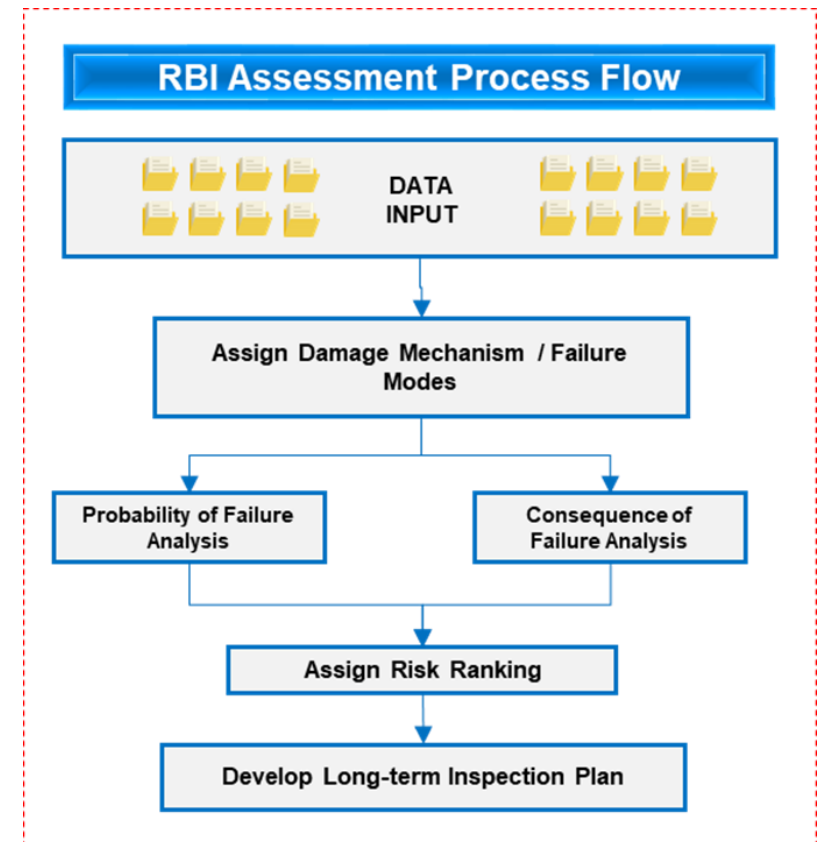
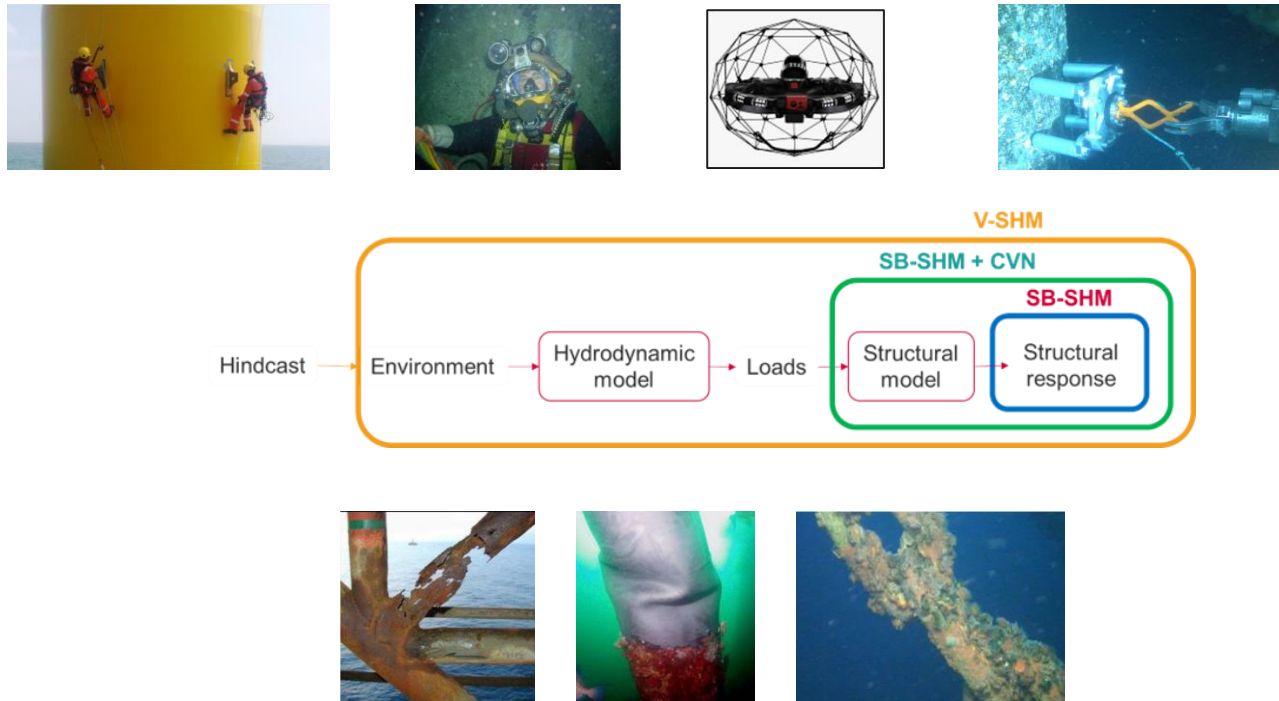
JIP RISK BASED INSPECTION METHOD FOR OFFSHORE WIND FARMS

WIND FARMS COMPLEXITY AND RBI



JIP OBJECTIVES

Develop a guideline defining the methodology to build and follow an inspection and monitoring plan for Floating Offshore Wind Farms.



BV RULES AND GUIDELINES ON RBI

NI 567

**Risk based
verification**
of floating
offshore units

NI 657

**Classification
scheme**
under Risk
based
Inspection

NI 635

**Index on
applicable
risk analysis**
for Marine and
Offshore

BUREAU VERITAS JIP PROPOSAL

Study and workshop sessions



FLOWRBI



WP1

Basis of review:

- Field architectures review
- Review assets specificities / critical elements
- Identification of failure modes



WP2

Risk assessment:

- Asset critical elements performance standard (at unit level)
- Definition of group of units (at field level)
- Acceptable risk definition
- Evaluation of failure/repair impact



WP3

Inspection strategy:

- Inspection techniques
- Monitoring solutions
- Operational constraints
- Failure consequences and inspection cost evaluation
- Consolidation of methodology

PLANNING AND BUDGET

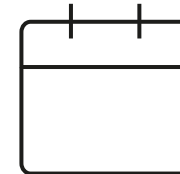
**ESTIMATED OVERALL
BUDGET
200 K€**



**Fees equally shared between
Developpers/maintenance
operators**

➤ **20k€ per year**

**PLANNED START
MID 2025 DURATION 2 YEARS**



WPI – 2-3 workshops / 6 months

WP II – 1-2 workshop / 6 months

WP III ~ 1-2 workshop / 6 months

Methodology ~ 6 months

CONTACTS



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