



Wasco Energy Group of Companies



Wasco Subsea and Pipeline Support
Unplanned Repair (SPUR™) Initiative
AOG 2019
14th March 2019

Credit picture: Axel Schmidt
Nord Stream 2 Pipeline Project

1

Challenges Faced During Unplanned Repair Scenarios

2

Subsea & Pipeline Unplanned Repair Initiative (SPUR™)

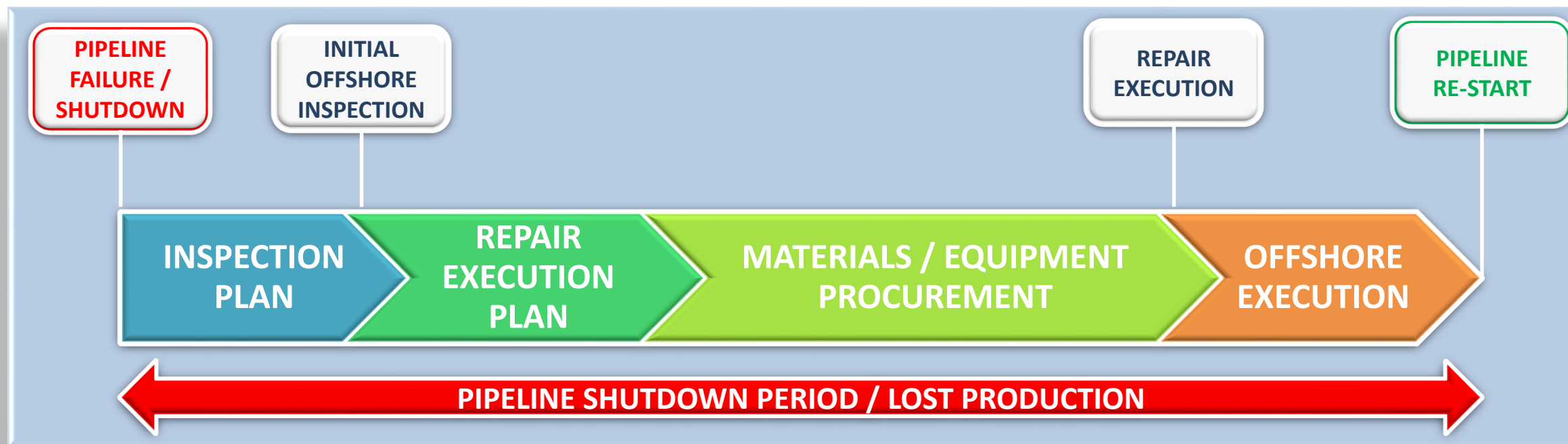
3

The Operational Model

4

Benefits of SPUR™

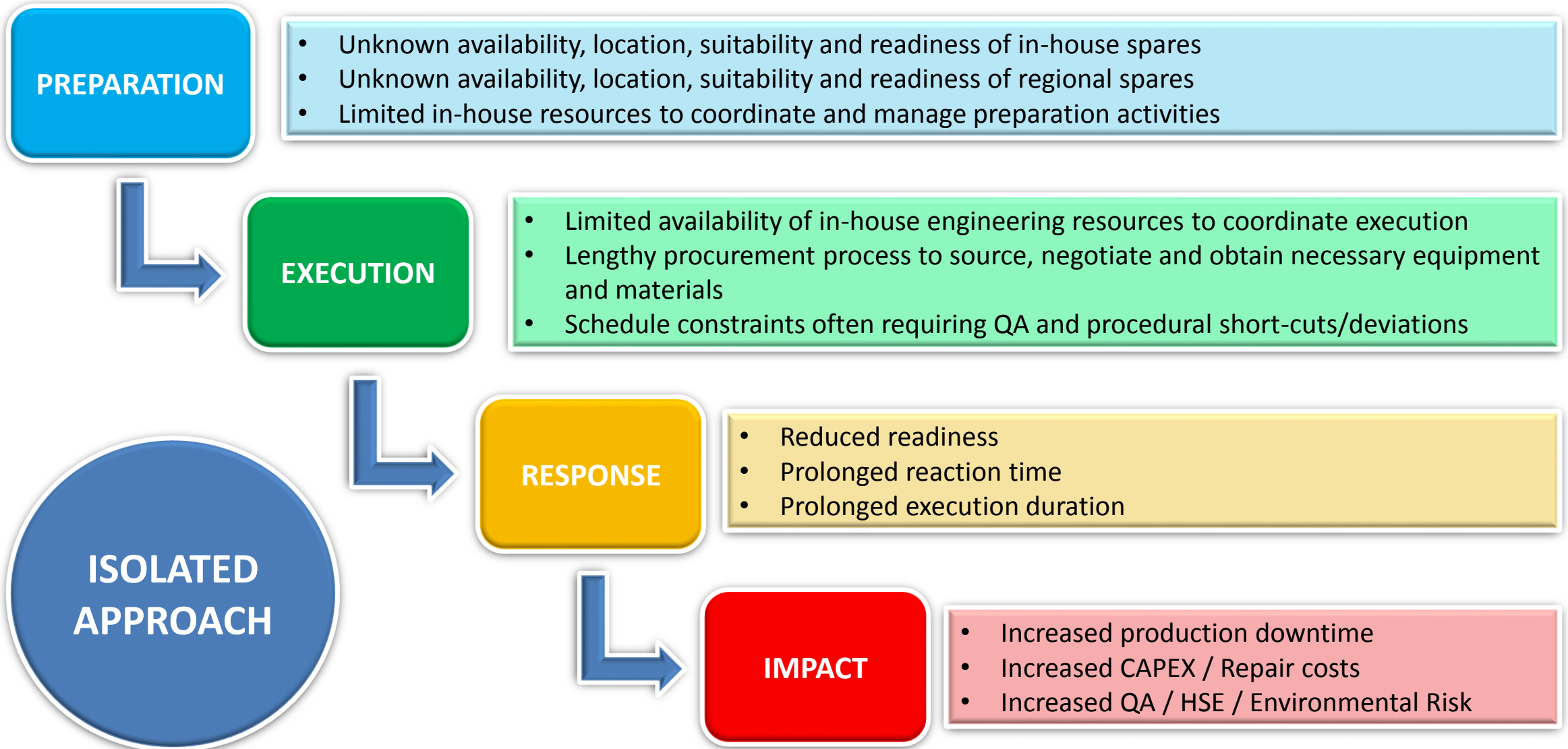
Typical Pipeline Failure Response



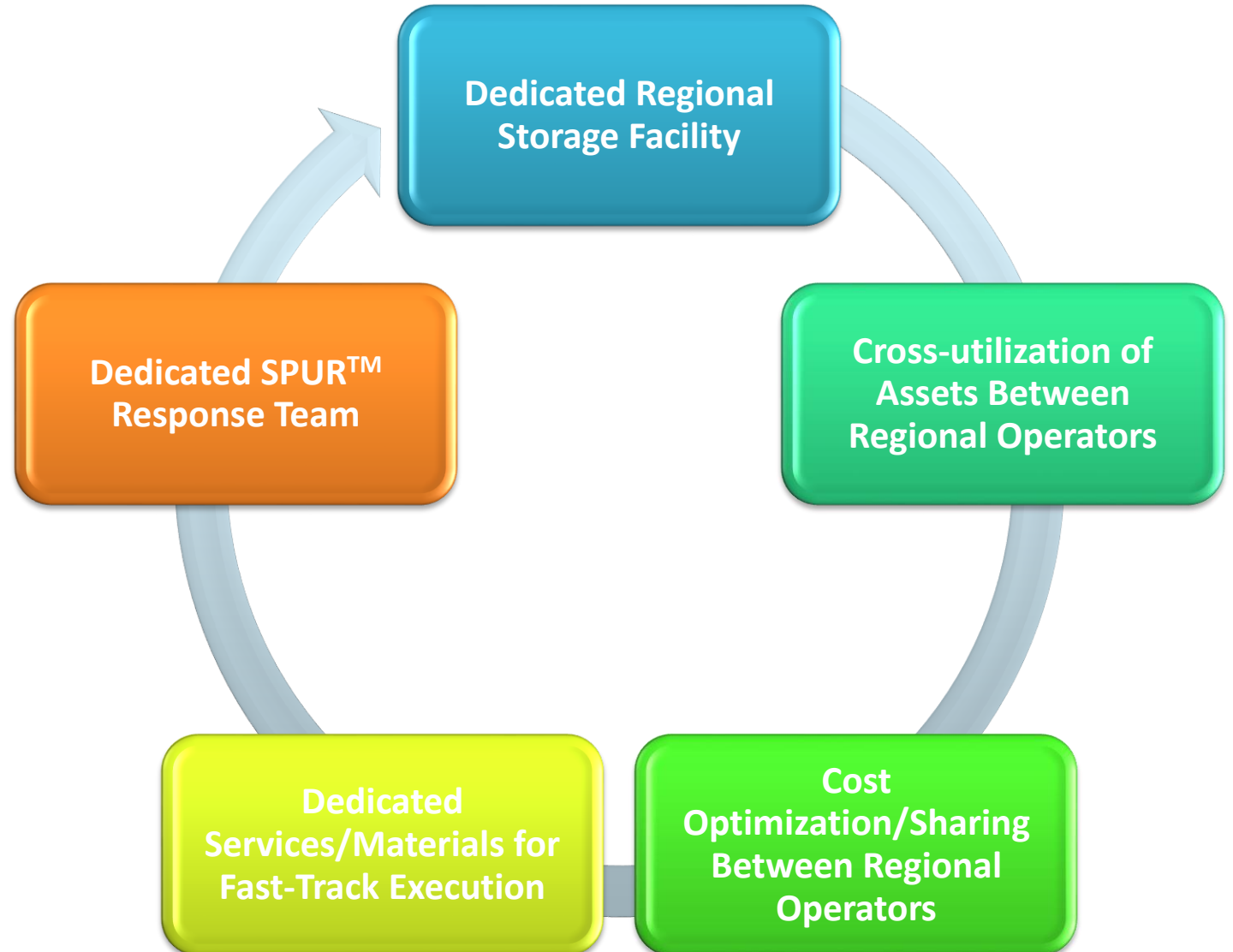
Risk of pipeline failures increasing annually due to:

- Ageing assets;
- Changes to operational conditions;
- Reduced Integrity Management Programs resulting from recent market conditions.

Existing Risks Factors

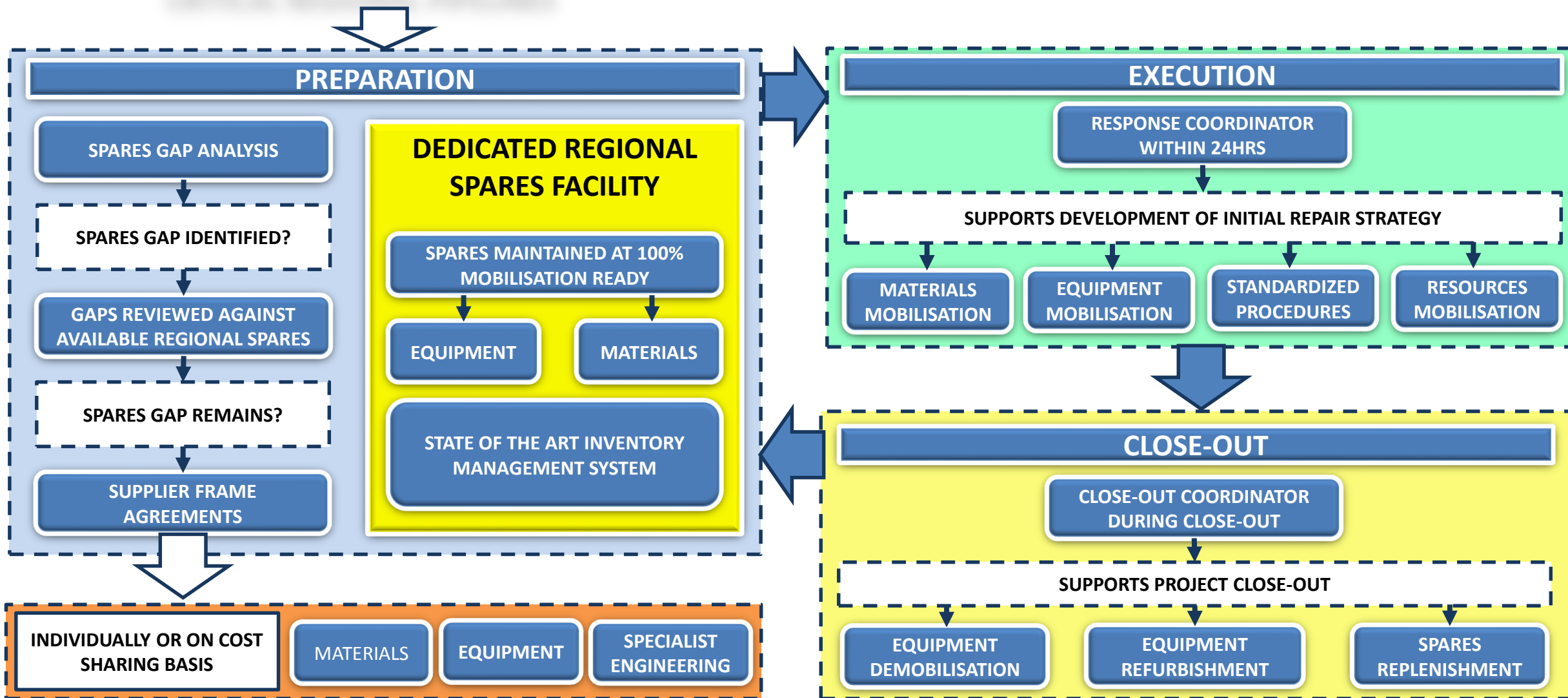


- Region wide collaboration between Pipeline Operators and Service Providers targeted towards:
 - Improved preparation and reaction time;
 - Improved quality and efficiency of repairs;
 - Reduced CAPEX risk;
 - Reduced production risk;
 - Reduced Quality, HSE and Environmental risk.

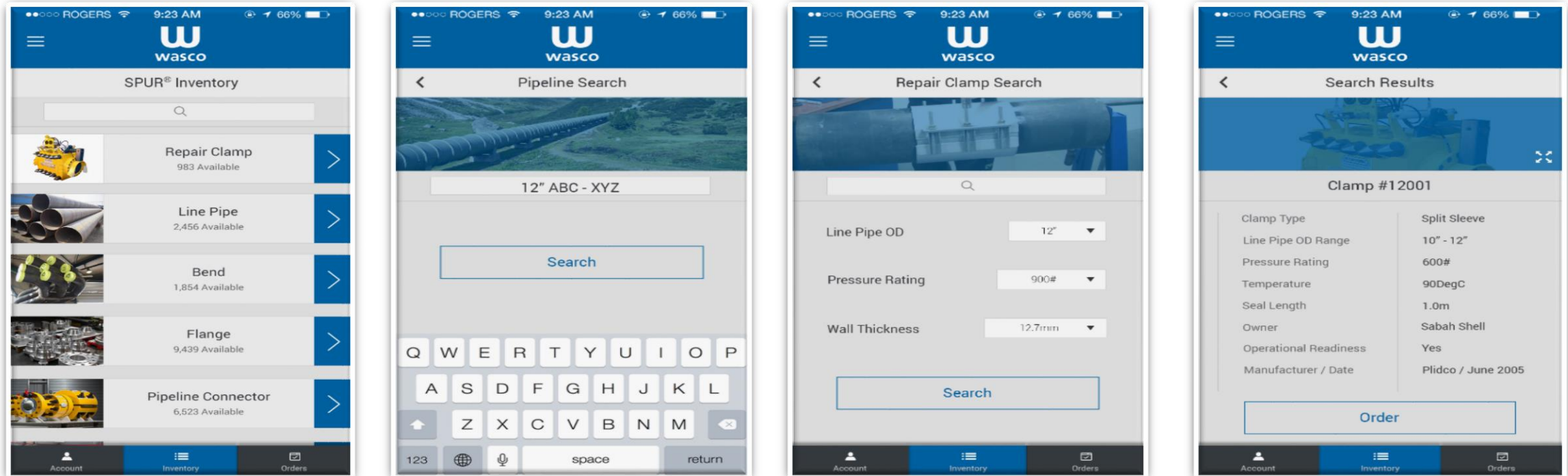


SPUR™ Initiative – Operational Model

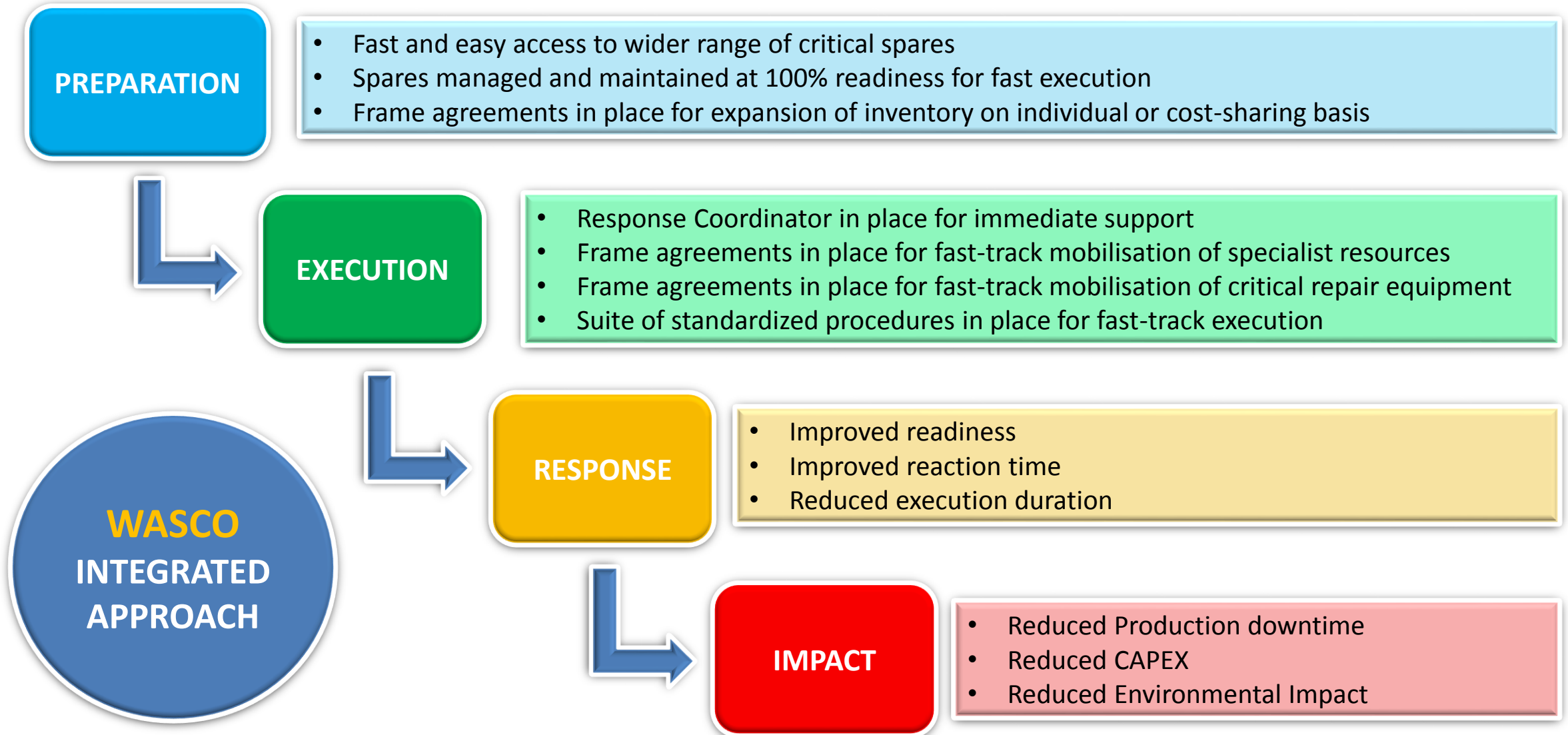
CRITICAL REGIONAL PIPELINES



SPUR™ Inventory Management System



- Fast-Response Inventory Management system developed purposely for SPUR™;
- Fast, user friendly navigation via online computer system and/or tablet/smartphone;
- Search by Pipeline or Equipment/Material Type instantly;
- Dedicated 24hr SPUR™ Inventory Management Support Center;



1. If done correctly, industry collaboration can be a very powerful tool;
2. Current market conditions driving towards industry collaboration;
3. SPURTM model low complexity to implement and execute;
4. SPURTM model easily adaptable to regional requirements;
5. Provides benefit to all parties;
 1. Reduced CAPEX risk;
 2. Reduced Production Risk;
 3. Reduced Quality, HSE and Environmental Risk.



For more information, visit our website:
www.wascoenergy.com

**Alternatively, visit our Drop-in Centre today at
Parmelia Hilton Hotel for more information**