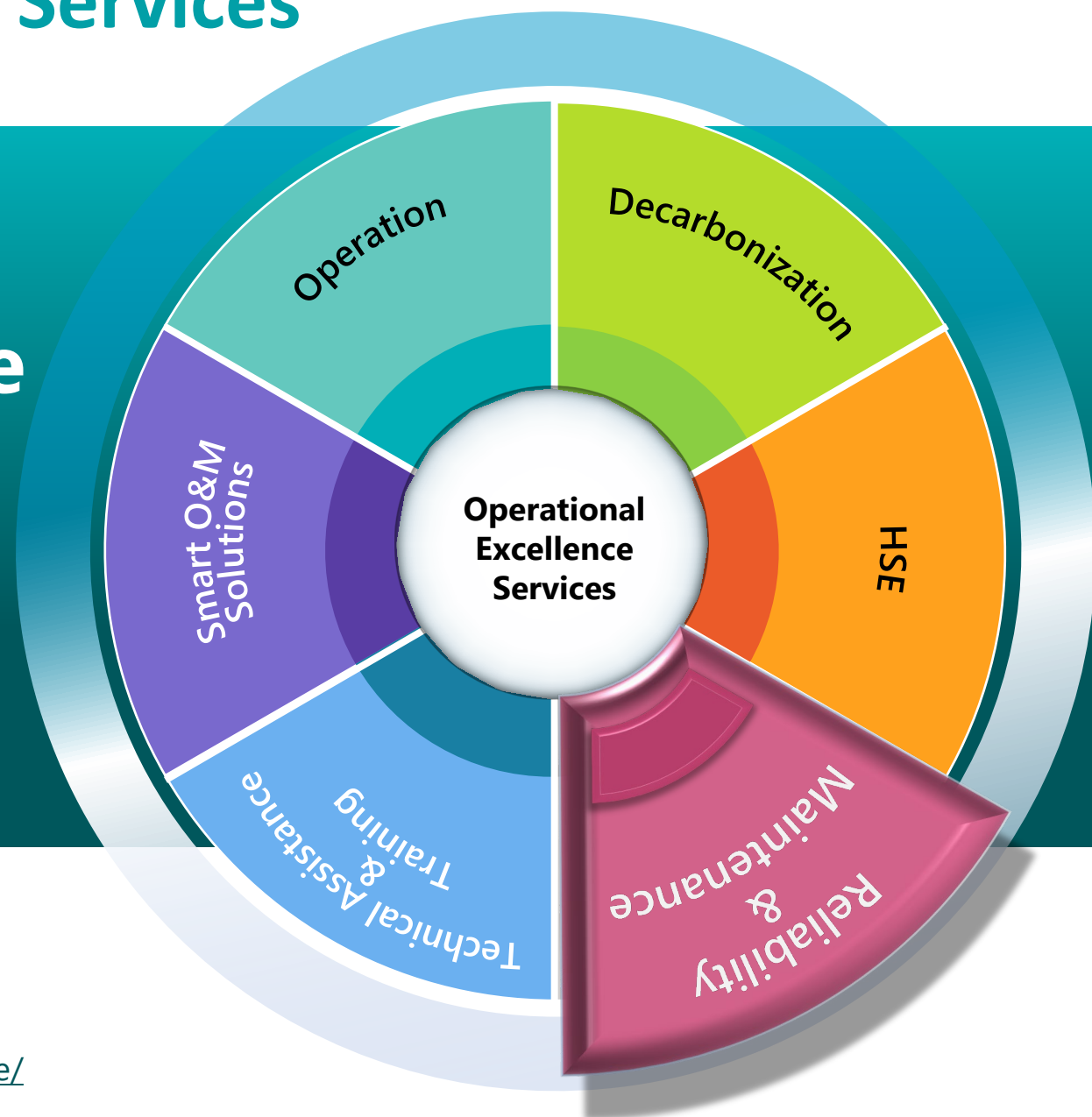




# Operational Excellence Services

## Reliability & Maintenance

### Reliability Centered Maintenance (RCM)



#### Contact Us

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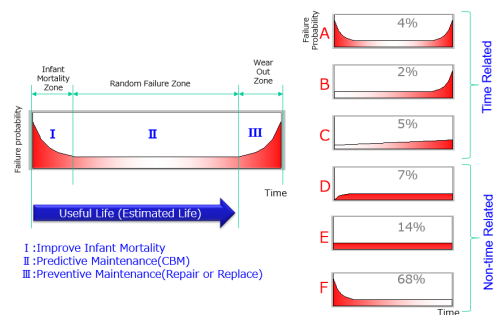
#### Access to Our Homepage

 <https://www.jgc.com/en/business/epc/operation-maintenance/service/>

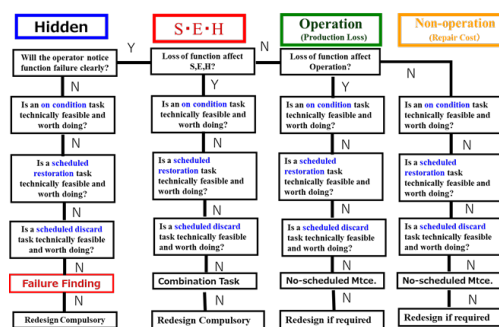
## Do you have any of these issues?

- ☹ **Many unreliability events**
- ☹ **Constant unrequired maintenance work**
- ☹ **High maintenance cost**

- Determine the optimal failure management strategies for all equipment including risk base approach.
- Provide sustainable Predictive and Preventive Maintenance tasks
- Prevent Functional Failure for Required Function of equipment
- Mitigate Safety, Environment, Production and Asset damage risks

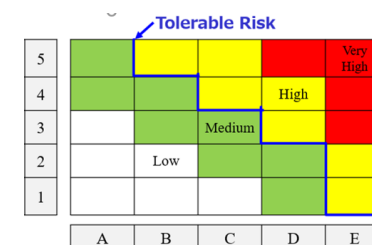


### Analyze detailed failure pattern

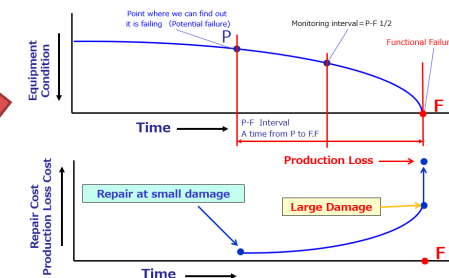


## Decision Diagram

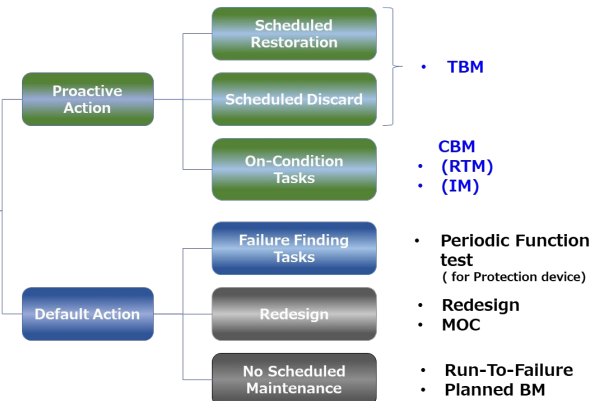
### Consider Maintenance Tasks



## Risk Matrix Assessment



## Consider Condition Monitoring

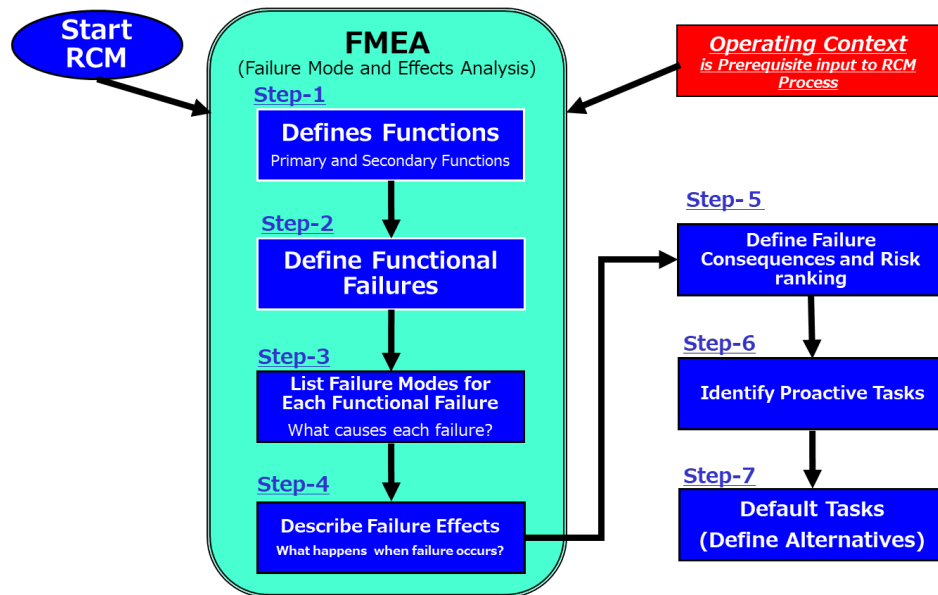


Delivered appropriate Maintenance Tasks

# Reliability Centered Maintenance (RCM)

Return to  
Reliability &  
Maintenance menu

## Workflow & Result



- Analyze Equipment Criticality to prioritize RCM study level
- Organize cross-functional RCM study team
- Define Operating Context including desired performance, legal requirement, integrated operating window, safety hazard, etc.
- Start RCM study depend on RCM work steps
- Identify Function, Functional Failure, Failure Mode, Failure Effect, Consequence and Risk ranking
- Identify Failure Management Tasks to prevent required Functional Failure

## Our Strengths

- Professional Process & Material Engineer Teams
- Global experiences and performances on Risk assessment, Inspection planning, On-site Inspection.
- Integrating JGC many years of inspection and plant design experience to achieve lower inspection costs and longer plant life
- Collaboration between overseas EPC-capable group companies and local maintenance companies.

## Our Experiences

**15+**  
**Projects**

RCM Study serviced  
for over 10 projects

**Worldwide**  
**Achievement**

RCM Experience in Far East,  
Middle East, Southeast Asia,  
Africa, North America