

Operational Excellence Services

Technical Assistance & Training

Strategic Operational Improvement Assistance

Decarbonization **Operational Excellence Services**

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https://www.jgc.com/en/business/epc/operation-maintanance/service/

Strategic Operational Improvement Assistance

Do you have any of these issues?

- Increasing Unplanned Plant Outages
- Increasing Maintenance Costs along with Age
- **\to Lack of Experienced Maintenance Staff**
- **Representing Improvements Visually**

Solution

- SWOT Analysis of operation and maintenance organization
- Middle and long-term operation and maintenance plan including turnaround plan
- Setting Key Performance Indicators (KPI)
- Root Cause Analysis (RCA) for equipment failure and countermeasure development
- Training focusing on younger staff and skill/knowledge transfer from experienced staff

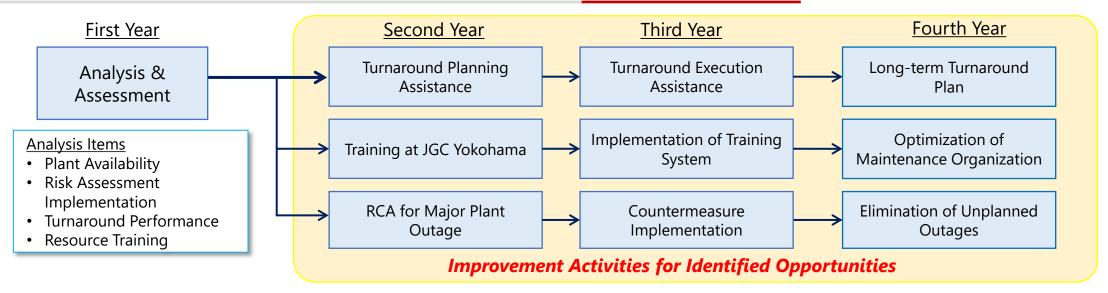
Strategic Operational Improvement – Transformation Roadmap Year 4 **Business** 4.3 Implement 4.2 Enhance Goal 4.5 Develop . 9.3 Retain 4.1 Develop. 4.4 Enhance 7.2 Include **Operation** 3.5 Conduct 7.1 Authorize 12.2 Develop 2.3 Prepare ... 3.3 Conduct ... 8.4 Develop 2.1 Develop 2.4 Prepare. 13.1 Develop .. 11.4 Enhance .. 8.3 Enhance. 10.2 Conduct 11.3 Implement 3.2 Define 6.3 Monitor **Engineering** 8.5 Develop 3.4 Revalidate 10.1 Complete 3.1 Develop 5.3 Define 12.1 Develop 1.4 Define 8.2 Develop 11.1 Develop 9.2 Define 5.2 Develop 1.2 Develop 6.2 Enhance 11.2 Develop Maintenance 5.1 Complete 2.2 Develop and execute. 6.1 Develop 8.1 Enhance. 1.1 Develop 9.1 Develop 1.3 Develop Turnaround Inspection Training

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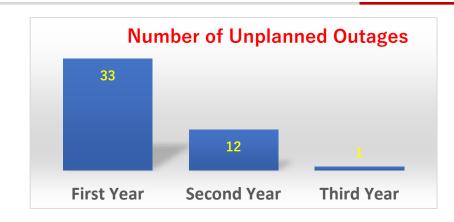
Long-Term Strategic Operational Improvement Assistance Program



Our Strengths

- Professional Operation and Maintenance Engineer Teams
- Global resources
- Practical application of Risk Based Work Selection process such as RCM and RBI
- Rigorous turnround readiness review methodology
- Many experiences in turnaround planning
- · Engineering tools and experienced analytical staff for RCA

Our Experiences Chemical Plant Case in Indonesia



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