Advisian

WorleyParsons Group

D5 Asset Management Assessment

Targeting your improvement investment to support a step-change in asset performance.

D5 is a collaborative diagnostic approach, using the appropriate selection of techniques, designed to provide a comprehensive, yet flexible, performance review of asset management.

The D5 approach will quickly identify your areas of highest exposure, targeting your improvement investment to support a step-change in asset performance.and safety performance.

Asia Pacific Region

www.advisian.com

Features

- A structured, auditable review process
- Direct line-of-sight to key business drivers
- Alignment with international standards, where required.

Benefits

- Enhances performance and assurance in the key business driver areas.
- Optimises operational and capital expenditure
- Identifies areas of strength
- Aligns all parts of the business

The D^5 Approach

The five steps are designed for a broad assessment to be narrowed down to key areas of interest.

Discuss

Discussions initiate the process and continue throughout to ensure that business drivers and operating context are clearly understood and that business priorities are maintained. At each stage, decision gates allow a choice to be made on the scope of the next stage. This staged process allows the review to be scaled to the size, needs and maturity of the business, ensuring customers remain in complete control of the process.

Diagnose

A high level review to identify the assets that are critical to meeting the business drivers, establish the functional relationship between them and identify the areas where they are performing well and where there is need of improvement, and to determine which, if any, would benefit from further review.

Dive

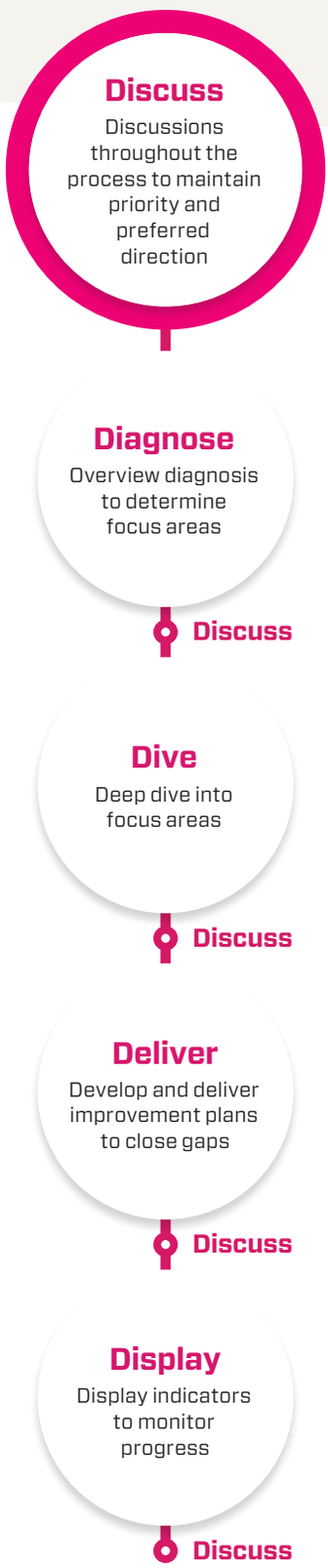
The Dive set of assessment techniques provide structured, transparent and auditable processes. A deep dive into each identified area is undertaken either as focused studies of the available performance or condition data or as facilitated workshops to ensure a comprehensive, quality discussion with representative and experienced parties to provide the best consensus assessment and organisation-wide buy-in to the results. The collaborative nature of the second approach helps teams understand what 'good' looks like, and readies them for contribution to the ongoing improvements in asset performance. It also offers leaders a genuine and open view of the reality of their business, and a secondary indicator of engagement through the comparison of different teams..

Deliver

An improvement plan that is appropriately tailored to the business is developed and delivered to the customer. Through the Discuss process, the plan will align to the business objectives of the customer using WorleyParsons' engineering, project management and specialist expertise where required, or providing actions for internal delivery where the expertise already exists.

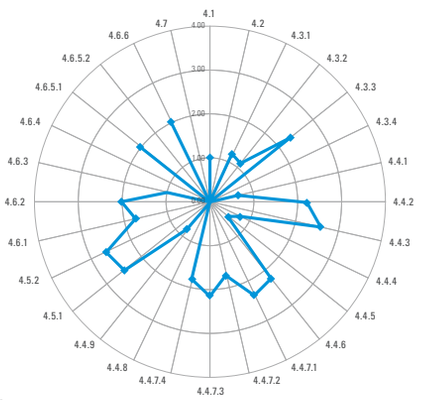
Display

Our consultants develop a specific set of indicators to provide visibility of progress. This can be progress against the Deliver plan, a dashboard for longterm monitoring of performance, or a combination of both. Quality indicators and clear visibility provide customers a foundation for sustaining the improvements and continuing to build on them after D5 has been completed.



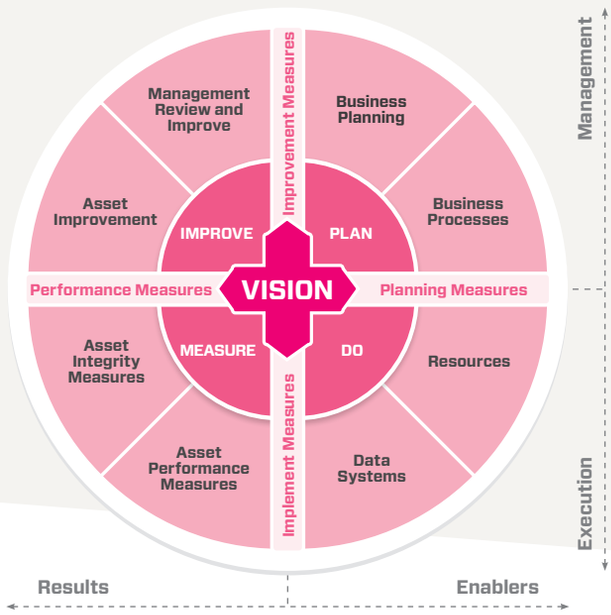
Analysis Results

No.	Clauses
4.1	General requirements
4.2	Asset management policy
4.3.1	Asset management strategy
4.3.2	Asset management objectives
4.3.3	Asset management plan(s)
4.3.4	Contingency planning
4.4.1	Structure, authority and responsibilities
4.4.2	Outsourcing of asset management activities
4.4.3	Training, awareness and competence
4.4.4	Consultation, participation and communication
4.4.5	Asset Management System documentation
4.4.6	Information management
4.4.7.1	Risk management process(es)
4.4.7.2	Risk management methodology
4.4.7.3	Risk identification and assessment
4.4.7.4	Use and maintenance of asset risk information
4.4.8	Legal and other requirements
4.4.9	Management of Change
4.5.1	Life Cycle Activities
4.5.2	Tools, facilities and equipment
4.6.1	Performance and condition monitoring
4.6.2	Investigation of asset-related failures, incidents and nonconformities
4.6.3	Evaluation of compliance
4.6.4	Audit
4.6.5.1	Corrective & Preventative action
4.6.5.2	Continual Improvement
4.6.6	Records
4.7	Management review



The RADAR chart shows the average score range per clause

Delivery Framework



The D5 Approach

Discuss	Diagnose	Dive	Deliver	Display

Result

Strength area - good monitoring → Governance report

Strength area - not monitoring → Development dashboard and display

Improvement Area → Deep dive into improvement area → **Develop and deliver improvement plan**

Deliver

Our organizational and project solutions are structured to provide a complete, vertically integrated offering from the board room to the work site. Whatever the identified improvement area, we tailor our approach to your requirements to provide the specific expertise you need.

Our approach is collaborative; we work with your teams to provide direction, mentoring, upskilling or direct provision of services, depending on your existing capabilities and asset management. Our integrated approach ensures alignment between the different solution areas and asset management systems, ensuring long-term sustainability of the improvements made.

Organisation Levels

Organisational	Board
	CEO & Executive Team
Facility or Site	Operations Management
	Maintenance Management
	Execution Management

Advisian Services

- Business Advisory Services
- Specialist Engineering
- Workplace Support

Advisian
WorleyParsons Group

W: www.advisian.com
Africa | Asia Pacific | Europe | Middle East | Latin America | North America

Why Advisian

We're different

- Advisian is part of the WorleyParsons group, uniquely combining high level strategic understanding with deep technical knowledge.
- At WorleyParsons, we don't just consult. We design, build and maintain industrial plant and processes.
- Our approaches are battle-hardened and proven on our own projects.
- Our consultants routinely return to the field – we understand the practical impact of executive decision making.

We're experienced

- Our consultants have extensive international experience in high hazard industries, bringing global best practice solutions to some of the world's most hazardous processes.
- With a worldwide network of experts in over 150 offices in 46 countries, our depth of expertise is unparalleled.
- We have been providing innovative solutions to some of the biggest names in industry for over 30 years.

That's us. What about you?

- You hold safety as a core value. This is not about compliance.
- You understand the benefits of a good culture across your whole workplace.
- Your asset management bears comparison with others, but you want to get better.
- You are fully committed to excellence in all areas of business operations.

John Condron **Practice Lead**

John is a chartered engineer based in New Plymouth office. He has a Master's degree in maintenance and reliability engineering and specialises in strategic maintenance and structured asset management programmes. He is a trained HAZOP leader, with a track record in other review techniques including reliability modelling, RCM and FMEA. His thirty years' of experience covers site operations, maintenance and technical reliability assessment within asset frameworks aligned to PAS 55/ISO55000.

For more information
john.condron@worleyparsons.com
+64 27 631 7127
+64 6 759 6344