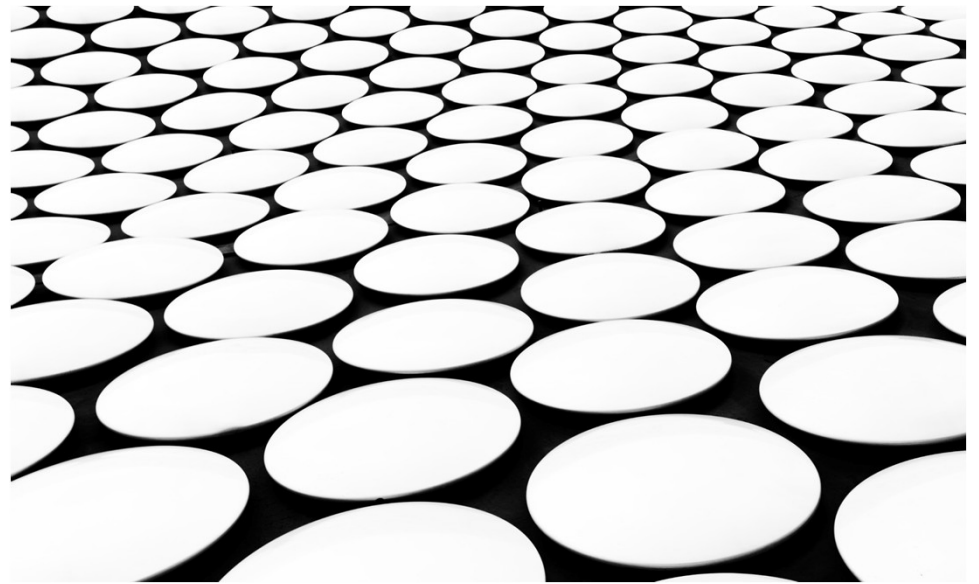




GLOBAL ASSET CARE

An independent consulting company specializing in “**Maintenance, Reliability, Asset Performance Management**.” We leverage firsthand expertise gained from working within operating companies.

WHO WE ARE

Global Asset Care (GAC) is an independent consulting company specializing in “**Maintenance, Reliability, and Asset Management (ISO 55000) & Asset Performance Management (APM)**”. We leverage firsthand expertise gained from working within leading Oil & Gas, Petrochemical, Telecommunication, Manufacturing, and Infrastructure companies.

Each key member of GAC brings decades of experience in Reliability, Maintenance, Asset Management, Asset Performance Management, Digital Transformation, and Project Management. Our expertise extends to all aspects of maintenance, reliability, APM, and EAM/ERP integrations. Notably, our knowledge has been validated through the management of over one million assets.

We also specialize in digital transformation, including the simplification and standardization of business processes, aligning APM technology configurations with operational workflows, and enhancing data-driven decision-making through advanced analytics such as Machine Learning and AI. Additionally, we focus on transforming people to meet the demands of a future-ready workforce in a digital environment.

We also collaborate with specialized engineering firms, such as SOS Engineering, to assist our customers in solving complex challenges by leveraging their expertise in engineering, process engineering, operations, maintenance, and process safety.

Together, we provide a one-stop solution for Plant Reliability, Maintenance, Asset Performance Management, Engineering, Digital Transformation, and Project/Program Management.

WHAT WE DO

Project & Program Management

- Program Management / PMO
- Business requirements
- Roadmap
- Project development
- Configure , Build, Acceptance Test
- Pilot / Deployment
- Sustainment

1

Digital Projects Experience

- Asset Information Management
- Connected Worker
- Asset Performance Management
 - Asset Strategy
 - Predictive Maintenance
 - Mechanical Integrity
 - Asset Health
 - Advanced Analytics

2

Asset Performance Management

- Business Process Simplification & Standardization.
- Technology selection
- Integration with SAP/ Maximo and Operation Technologies
- Data Management
- People
- Change Management
- Adoption

3

Digital Transformation

- Program / portfolio Management
- Gap Assessment
- Requirement Assessment
- Digitalization Roadmap
- Benefits Models
- Sustainment

6

Mechanical Integrity Program

- Pressure Equipment Integrity Program
- Thickness Monitoring
- RBI Programs
- Migrate Mechanical Integrity programs into any APM application.

5

4

Reliability Improvement

- Gap Assessment, Gap Closure Plan
- Develop reliability process, standards, guidelines
- Bad Actor Management
- Master Data, BoM etc.
- Asset Criticality Assessment
- Asset Strategy Development
- Asset Strategy Implementation
- Predictive Maintenance Model Development
- Reliability Competency
- Library: Asset Strategy (ISO 14224), Maintenance Procedures and Maintenance Check Sheet

Global Asset Care (GAC) is an independent consulting company based in Canada specializing in “**Maintenance, Reliability, Asset Performance Management**.. We leverage firsthand expertise gained from working within leading operating companies.



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WHAT WE DO: WE DEVELOP RELIABILITY ROADMAPS CENTERED AROUND THREE KEY THEMES

Back to Basics

Focus on building a strong foundation for reliability by addressing essential elements:

- 1 **Alignment & Engagement**
 - Ensure cross-functional collaboration and secure leadership buy-in.
 - Foster a shared vision of reliability across all departments.
- 2 **Reliability Standard(s)**
 - Develop, implement, and standardize reliability guidelines and procedures.
 - Align practices with industry benchmarks and regulatory requirements
- 3 **Reliability Process**
 - Establish structured processes for reliability planning, monitoring, and evaluation aligning standards
 - Integrate reliability into operational workflows to minimize risks.
- 4 **Reliability Competency**
 - Invest in training and upskilling (using 70/20/10 model) employees to build reliability expertise
 - Create a competency framework to track skill development.

Continuous Improvement

Emphasize iterative enhancements to drive incremental gains in reliability:

- 5 **Benchmarking**
 - Compare current reliability performance against industry leaders or best practices (e.g. Solomon studies, SMRP)
 - Use data-driven insights to identify improvement opportunities.
- 6 **Bad Actor Management**
 - Develop systematic process to identify and eliminate recurring failures or chronic reliability issues
 - Use root cause analysis (RCA) to address systemic problems.
 - Implement learnings across enterprise to prevent similar problem.
- 7 **Change Management**
 - Implement structured change management processes to support reliability initiatives.
 - Ensure organization-wide alignment during transitions
- 8 **Technical Authority & Reliability Governance**
 - Establish clear governance structures to oversee reliability practices.
 - Empower technical leaders to drive accountability and compliance.

Transformational

Leverage advanced technologies and strategies to achieve breakthrough reliability performance:

- 9 **Reliability Digitalization**
 - Develop reliability digitalization strategy to improve safety, increase availability and optimize cost performance
 - Align strategy with peers / industry and align with corporate goals.
 - Implement in waves
- 10 **APM – Asset Strategy**
 - Develop risk-based asset (maintenance strategies) to optimize asset lifecycle values.
 - Use criticality analysis status in prioritizing asset strategy development.
 - Use ISO 14224 based library to accelerate
- 11 **APM-Predictive Maintenance**
 - Utilize predictive analytics (e.g., machine learning, AI algorithm) to forecast and prevent potential failures on most critical assets (0.2 to 2%)
- 12 **APM-Asset Health**
 - Integrate operator rounds, corrective & reactive works, time series, predictive analytics, all other reliability recommendations / data to monitor and manage the health of critical assets.
- 13 **APM-Asset Integrity**
 - Ensure asset safety and compliance by adopting integrity management prog.
 - Use risk-based inspection (RBI) to achieve financial optimization
- 14 **Advanced Technologies & Analytics**
 - Leverage cutting-edge tools like artificial intelligence, advanced inspection, maintenance technologies and achieve world-class reliability.

WHAT WE DO : WE COLLABORATE WITH YOU ON YOUR JOURNEY TO ACHIEVING WORLD CLASS EXCELLENCE

OPERATIONAL EXCELLENCE

Year 1 Foundation

- Executive sponsor & stakeholder engagement / alignment
- Define Reliability Standards & Strategies
- Define reliability competency requirement
- Define reliability digitalization strategy
- Define reliability technical authority

Year 1~2 Plan for Improvement

Conduct assessment and benchmarking to create a reliability strategy (Gap Closure plan)

- Implement reliability standards
- Implement reliability processes
- Implement bad actor management (e.g., root cause analysis or failure elimination)
- Implement reliability competency management
- Define digitalization roadmaps for reliability
- Pilot Asset Performance Management (APM), including Mechanical Integrity, Asset Strategy, Predictive Maintenance, and Asset Health
- Establish reliability governance
- Define a change management plan

Year 2~4 Drive for Improvement

- Broaden the rollout of reliability standards
- Broaden the rollout of reliability processes
- Broaden the rollout of Asset Performance Management (APM)
- Enhance reliability competency
- Conduct reliability audits
- Implement reliability analytics
- Launch phase II of the reliability digitalization rollout
- Establish knowledge-sharing initiatives (e.g., Community of Practice)

Year 4 + World Class

Successfully implemented across enterprise

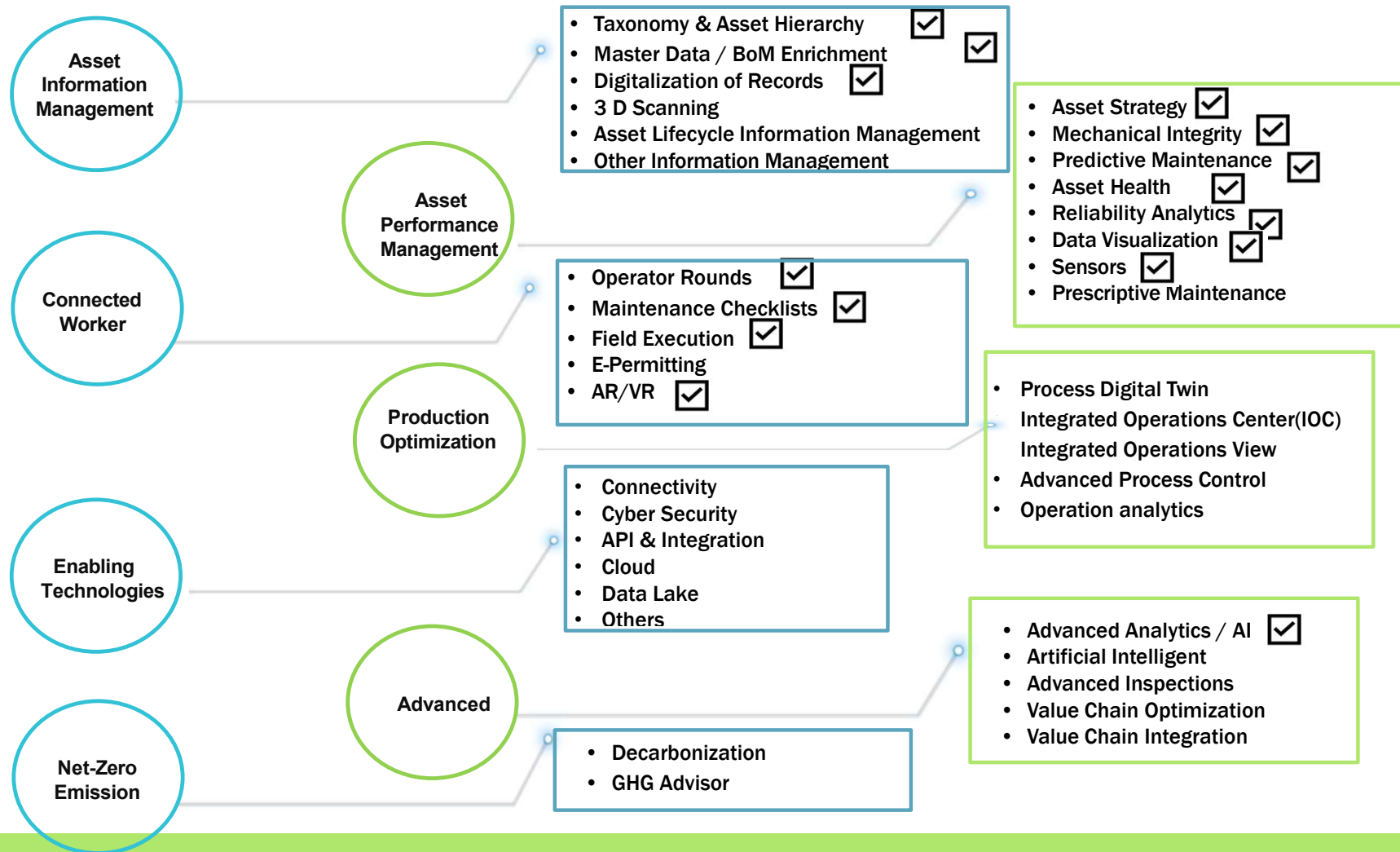
- Reliability standards
- Reliability process
- Reliability analytics to drive continuous improvement
- APM
- Reliability digitalization program

Organization that has with

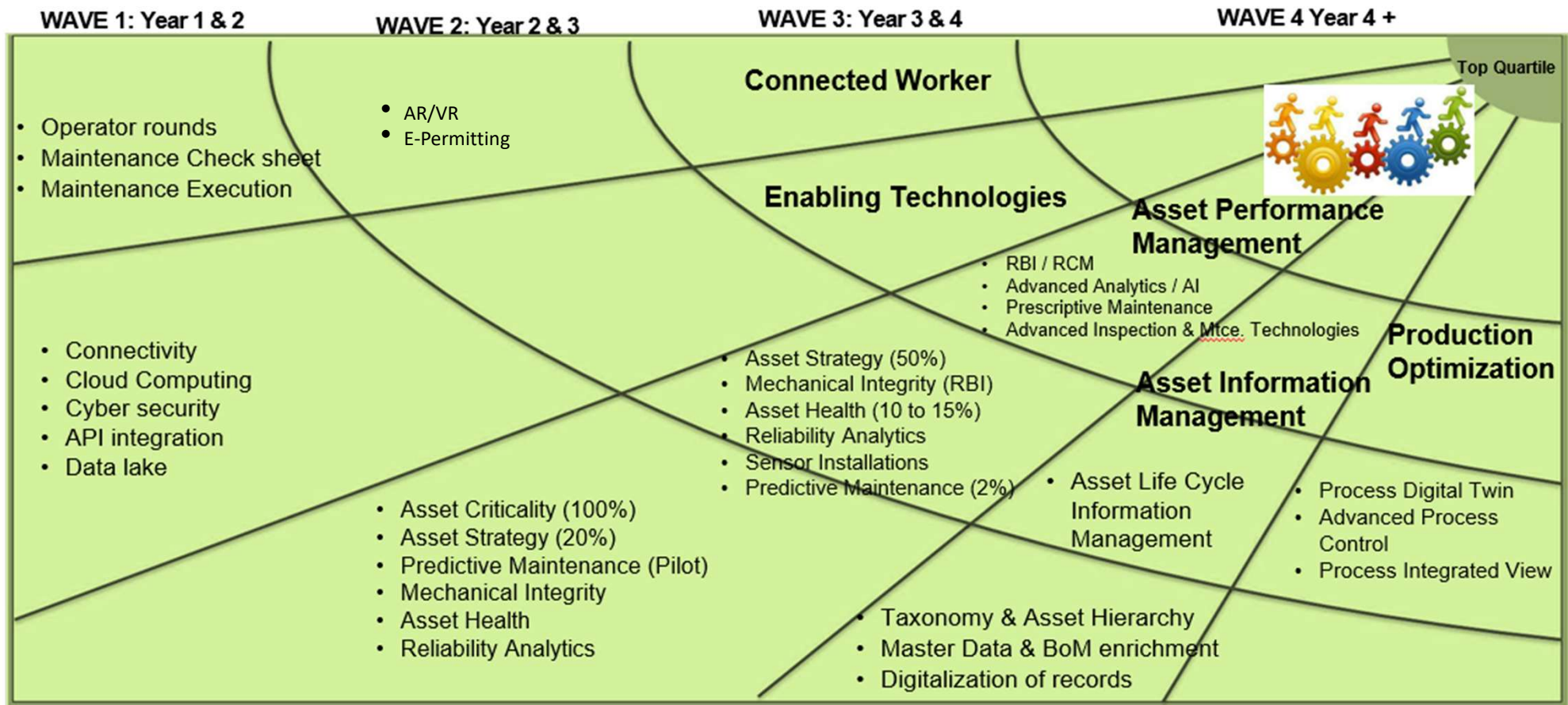
- High confidence & verified trust in data across reliability platform
- Focus on economic and operational optimization
- Advanced inspection / maintenance technologies
- Competent & motivated transformed workforces take ownership, adopt changes and self drive for excellence
- Top talent with industry recognized subject matter experts
- Reliability is built into design, focus on full life cycle cost

Note: The duration of the journey to World Class status can be accelerated depending on the current state, maturity of the M&R functions, and the level of adoption (e.g., through an effective change management plan).

WHAT WE DO : WE PARTNER WITH YOU TO ADVANCE YOUR RELIABILITY DIGITALIZATION EFFORTS



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