



## SAFETY - INCREASED EFFICIENCY - RISK MITIGATION

### From New Builds to Life Extension & Upgrades

E/One's involvement spans the life cycle of the generator, and often begins as part of an OEM's original scope of supply to the plant. Our critical gas auxiliary systems are designed for use with scavenging or vacuum-type seal oil configurations and E/One has earned a primary-source status with the industry's leading manufacturers. Safety and unit efficiency are at the core of these applications.

Upon start-up and commissioning of the plant, and throughout the OEM warranty period, E/One delivers application and field service support, and supplies risk mitigation technologies aligned to asset protection. These systems may similarly be offered as part of the OEM's original scope, and enable owners to better respond to today's challenges – increased cycling, reductions in experienced plant personnel, aging fleet and prolonged periods between outages.

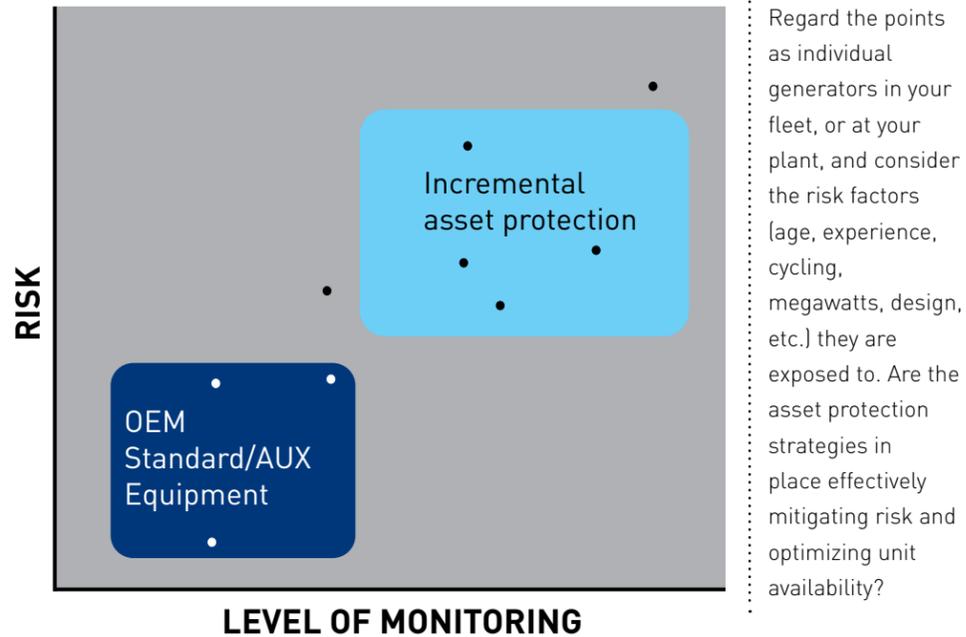
Extending the life – and efficiency – of a generating asset requires a broad perspective, including not only the machine itself, but the auxiliary systems and predictive maintenance systems that support it. During this phase of the generator's life, E/One assists owners by supplying upgrades that meet evolving safety standards for hazardous areas, and by integrating technologies into cost-effective packages that allow installation work to be accomplished within the more dominant, critical-path boiler and turbine outage periods.

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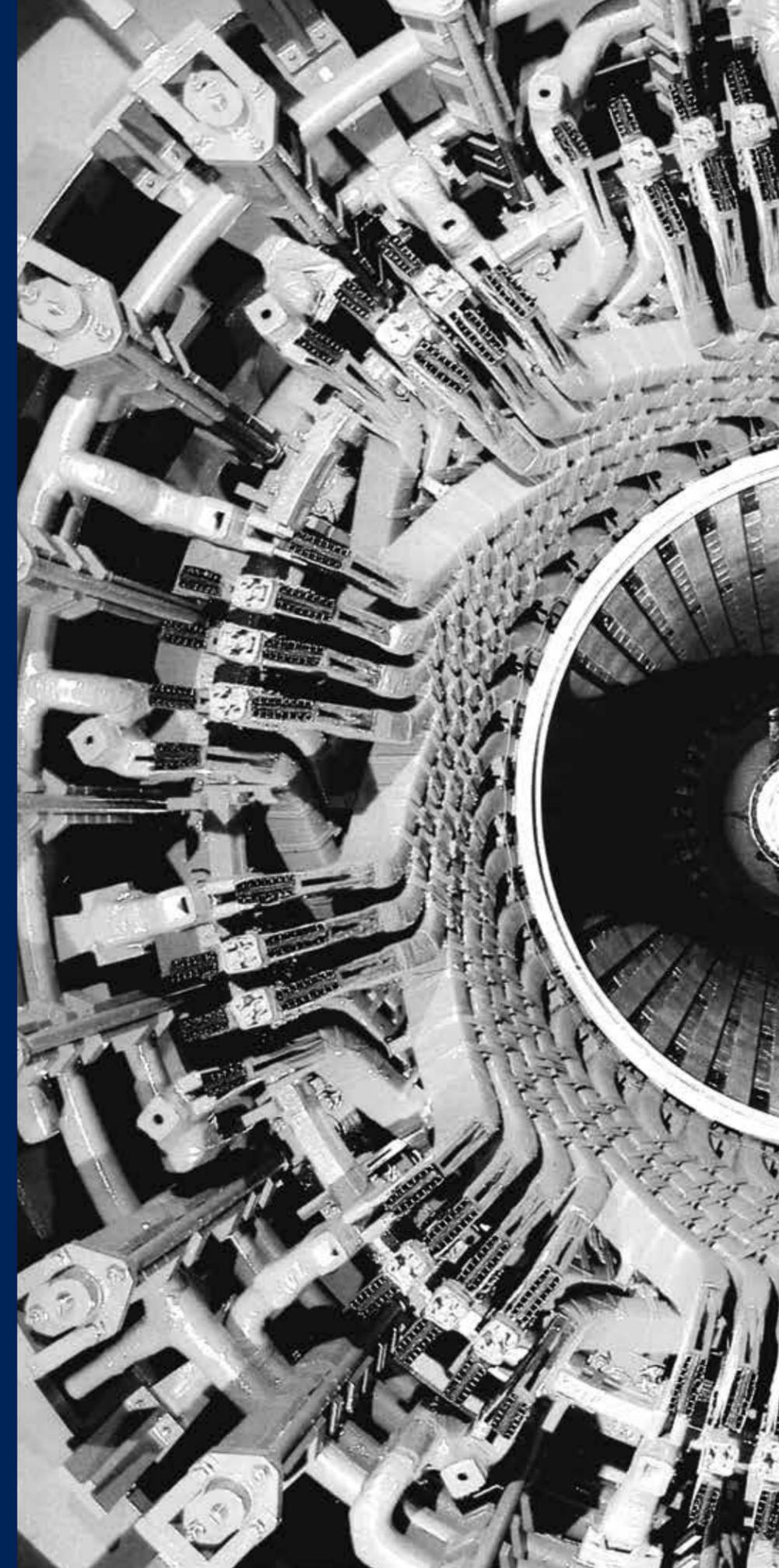
Voice: 518.346.6161  
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[www.eone.com/solutions](http://www.eone.com/solutions)

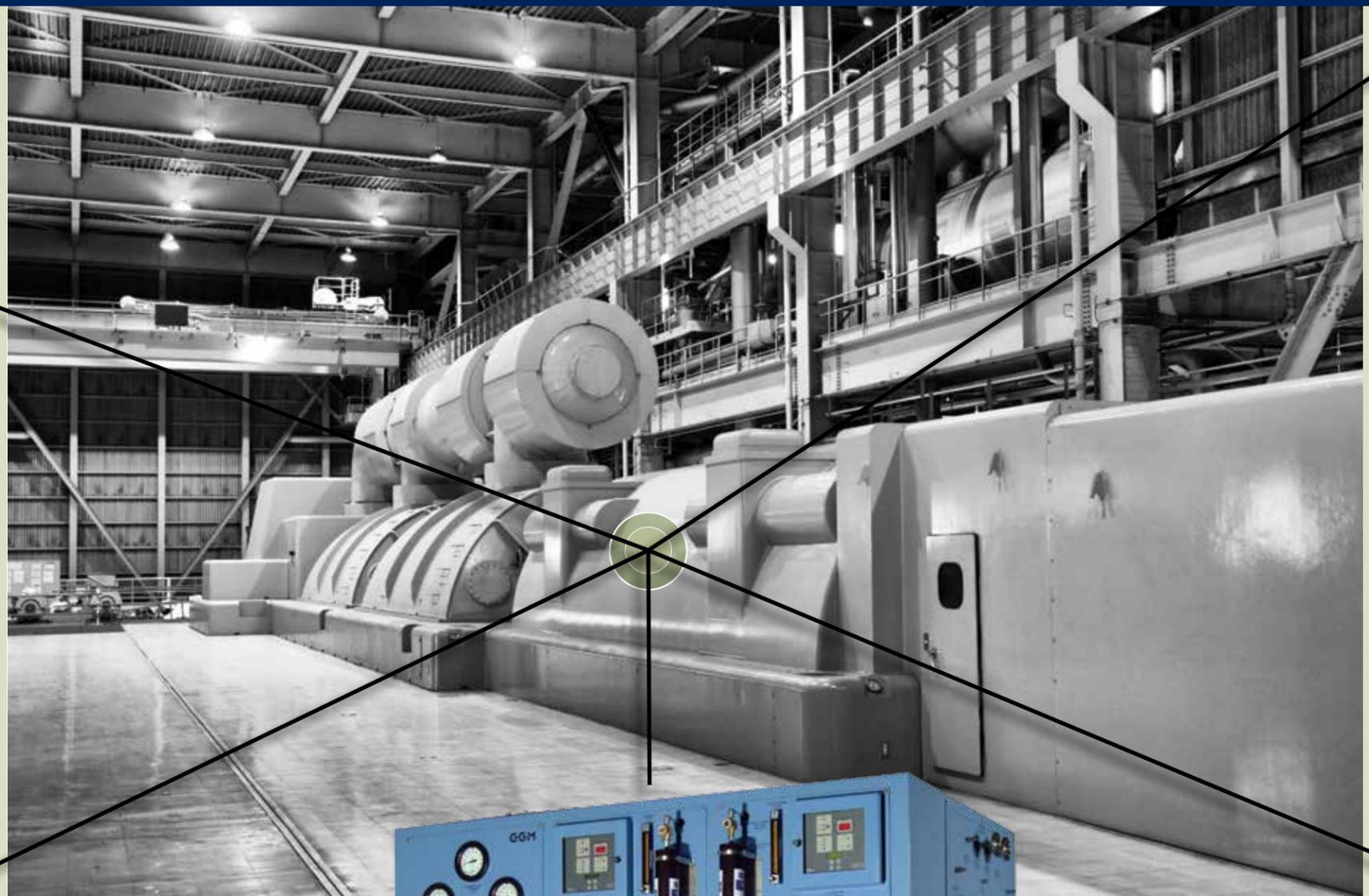
A PCC Company / LM000404 Rev A

### WHERE DO YOUR GENERATORS FALL?



# e/o/e





**GGD III**  
**GENERATOR GAS DRYER**

E/One's GGD III is a dual-chamber system that continuously dries and recirculates generator cooling gas – even when the generator is on turning gear, which is a critical time to maintain low dew point.



**HCC II**  
**HYDROGEN CONTROL CABINET**

The HCC II was designed specifically for monitoring and controlling hydrogen purity in generators that utilize scavenging-type seal oil systems (GE bleed and feed). The HCC contains two independent analyzers that monitor hydrogen purity from both the turbine-end seal drain enlargement and the collector-end seal drain enlargement. Configurations for vacuum-type seal oil systems are available as well.



**GGA**  
**GENERATOR GAS ANALYZER**

The GGA is a triple-range sensor/analyzer that provides continuous monitoring of gas purity during all phases of generator operation. The GGA is an extremely accurate, robust and stable system that eliminates the issues of drift and need for frequent recalibration seen in other thermal conductivity systems. A range of configurations, including a portable design, are available.



**Gas Station**

The E/One Gas Station is a modular approach that combines monitoring and control systems into a single, integrated platform, customized to meet specific site requirements and budget parameters.



**GCM-X**  
**GENERATOR CONDITION MONITOR**

The GCM-X provides early warning of generator overheating, potentially saving hundreds of thousands – or even millions – of dollars in costly downtime.