

# USD Develops Long-Life Gyroscopes

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USD has developed a long life version of its spinning mass rate and rate-integrating gyroscopes. Under development and test for over ten years, USD has succeeded in extending the life of its gyros from a typical 4,000 hours to a minimum of 12,000 hours.

Over a year and a half ago the US Navy installed the long life rate-integrating gyros in an application on a warship that required the gyros to operate 24 hours a day, 7 days a week. The warship was deployed to the Gulf and has recently returned to port. Through all the extreme environments and continuous operation, the gyros are still running true to specification without any increase in mechanical and electrical noise. Because of the results, NAVSUP has decided to replace all of the fleet's gyros for this application with our long life replacement.

The long life components can be added to any of our rate and rate-integrating gyroscopes which include all of the form, fit, function, drop-in replacements for the Honeywell GG111 and the Atlantic Inertial Systems GIG6, GIG5/GRG5 gyros.

For more information, please contact USD at 631-842-5600 or email to [sales@usdynamicscorp.com](mailto:sales@usdynamicscorp.com)

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