



# LIFE EXTENSION FOR CONTINUED SERVICE OF OFFSHORE FLOATING PRODUCTION UNITS

ABS provides leading guidance and services that verify suitability for continued services beyond design life.

## MITIGATING RISK FOR CONTINUED SERVICE

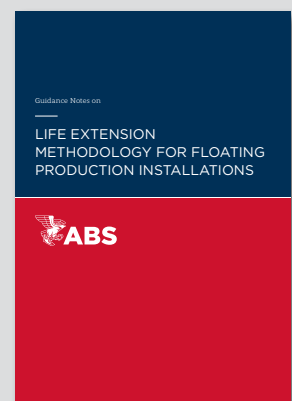
Floating production units (FPU) are site-specific units and when intended to continue operating beyond their design life, asset owners must determine if it is possible to keep the unit in operation. An effective life extension process allows the continued service of a unit in a way that mitigates risks and minimizes productivity loss.

Many factors can influence the decision to extend the operational life for continued service of an FPU. In some cases, aging units are still economically producing, either due to the re-evaluated life expectancy of the reservoirs or higher recovery rates enabled by new technologies. Another common scenario is the discovery of new fields in the vicinity of an existing facility, opening tie-back opportunities, but the unit must be verified in accordance with industry standards to safely operate beyond its design life.



## PIONEERS IN LIFE EXTENSION

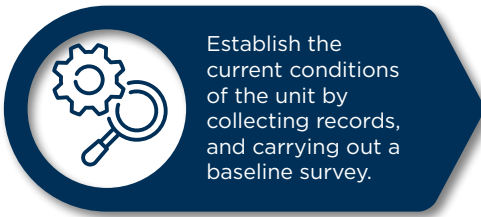
ABS has extensive experience, knowledge and a record of innovation with floating production units. We are pioneers on life extension processes for FPSOs, FSOs, TLPs, spars, and semisubmersibles. ABS issued the first guidance notes in the industry dealing with life extension, *ABS Guidance Notes on Life Extension Methodology for Floating Production Installations*. It presents detailed recommendations supported by a flexible process to help owners and operators mitigate risks in the operability of their assets. ABS also has additional Rules and Guides that provide comprehensive guidance for floating offshore installations.



## COMPREHENSIVE AND FLEXIBLE SOLUTION FOR LIFE EXTENSION

The ABS Life Extension process is a staged approach to evaluate if a floating production installation is suited for continuing service while facilitating regulatory and statutory acceptance. These activities can be executed at a pace that suits the client's needs.

### INVESTIGATION



### DETERMINATION



### IMPLEMENTATION



When determining to extend the life of the facility, ABS considers the asset conditions, evaluates and predicts the remaining life of the unit, confirms corrective actions have been implemented, and reviews the proposed preventative measures to minimize issues occurring during the extended service life.

### EARLY ENGAGEMENT IS KEY

With our knowledge and legacy in offshore services, ABS is a trusted advisor to assist our clients on offshore life extension. We can efficiently evaluate the asset for continued service, assist with regulatory and statutory compliance, and determine the best approach and mitigation measures for a successful life extension process.



For additional information on ABS Life Extension for Continued Services for Floating Production Units, please contact us at [GlobalOffshore@eagle.org](mailto:GlobalOffshore@eagle.org)



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