

## Electrical: Lighting Design

### P-187

Lighting Design for Oil & Gas Platforms e.g.,

- Hotel Platform
- Production Platform
- Drilling Platform

Lighting Design with both

- LED based armatures with calculation of both Photopic and Scotopic Lighting components. Design with lifetime sealed armatures for Lowest Maintenance Cost in offshore installations to avoid Earthing fails due to moisture condensation.
- Fluorescent based armatures

For various application such as Traditional Fixtures, Spotlight, Decorative Lights, Flood Lights, Emergency and Escape Lights and different Warning Lights etc. for both in- and outdoor applications as well as for ATEX zoned areas.

Lighting Design and Lux variation calculation can be made directly in the 3D model like AVEVA PDMS or with either Special or Supplier Software.

P-Engineering can use both SPE – Smart Plant Electrical and [COMOS](#) for Engineering Purposes (Client Licenses)

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*Picture of the Johan Sverdrup Offshore Platform with LED flood Lights and Interior Lighting. The Johan Sverdrup project is the P-Engineering reference for overall Lighting Design (Lighting / Lux Distribution and Electrical Power Supply) as well as Purchase / Framework Agreement setup. Performed for Aker Solution.*