

# FROM FULLY ELECTRIC OFFSHORE-CRANES TO AUTONOMOUS JIB-CRANES

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#### **ELECTRIC OFFSHORE CRANES**

# 7+1 units delivered to Equinor, Johan Sverdrup

**PRODUCT CHARACTERISTICS** 

Wire luffing pedestal cranes, DKW2500e

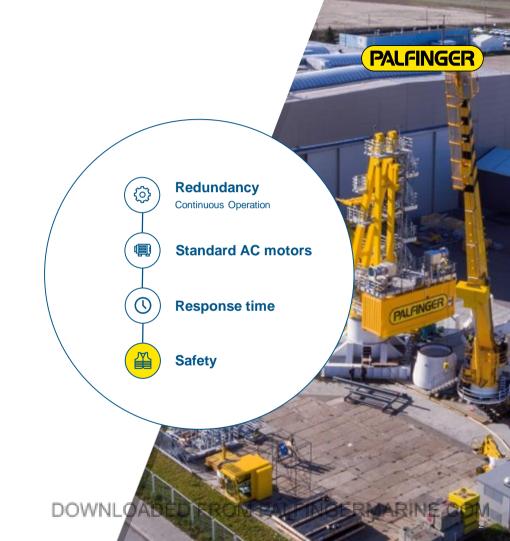
Fully electric driven

Lifting capacity 60T@40 meter / 25T@57 meter

Designed according to NORSOK R002 and EN-13852-1 2013 + Equinor TRs

High Risk Aplication CLASS II (Norsok Annex K)

Use of standard AC motors and VFD drives







# STATUS **SUMMER 2020**



7 cranes delivered and in operation



More than 15,000 working hours



Crane #8 in production for Johan Sverdrup phase #2



#### DOUBLE REEVING SYSTEMS FOR INCREASED SAFETY

#### **PALFINGER**

#### **PALFINGER DELIVERY**



## ONE

off fully electric 60T SWL offshore crane with double luffing winches



### TWO

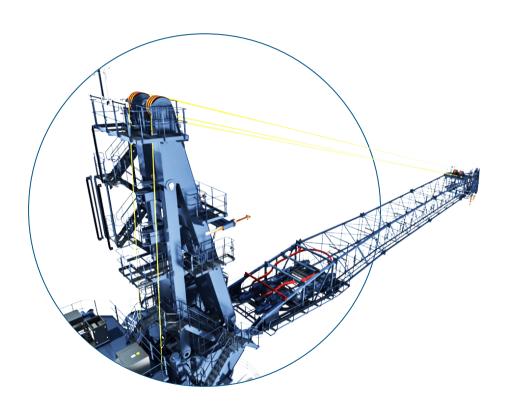
off **27T SWL BOP cranes** with double hoisting winches

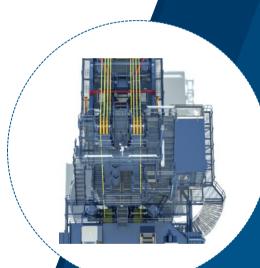




#### **DOUBLE REEVING SYSTEMS FOR INCREASED SAFETY**







REMOTE OPERATED OFFSHORE CRANE STUDY (ROOC)

#### **PARTNERS**







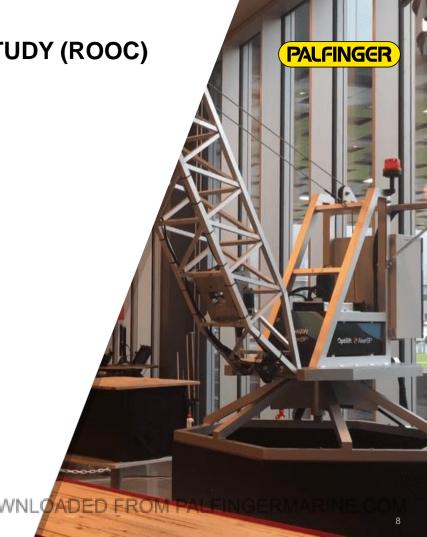
Integration between PALFINGER and Optilift

hardware and software on the scale crane

Onshore control room

Risk assessment

Planning further full-scale testing



#### PALFINGER IN THE FUTURE - SAFE, EFFICIENT & RELIABLE



#### Offshore jib crane development

No outside components when parked

Simple design – ask 5 times WHY?

Power consumption only 30 - 50% compared to traditional offshore cranes

Safer operation with less staff involved



#### PALFINGER IN THE FUTURE - SAFE, EFFICIENT & RELIABLE

**PALFINGER** 

#### Offshore jib crane development

**Onshore control room** 

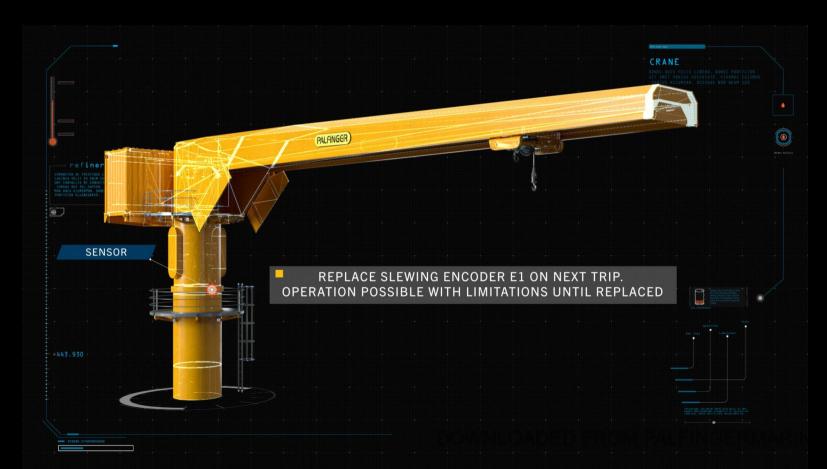
Advanced start-up procedure / diagnostic functions

Fully integrated with Optilift support and logistic functions



#### PALFINGER IN THE FUTURE - SAFE, EFFICIENT & RELIABLE









#### **CONTACT**





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# THANK YOU FOR YOUR ATTENTION!

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