

# Final report

## 1.1 Project details

<b>Project title</b>	Integrated solution for maintenance and repair of wind turbine blades
<b>Project identification (program abbrev. and file)</b>	64013-0528
<b>Name of the programme which has funded the project</b>	EUDP
<b>Project managing company/institution (name and address)</b>	PP Techniq A/S Aage Grams Vej 1, 6500 Vojens
<b>Project partners</b>	
<b>CVR</b> (central business register)	27387071
<b>Date for submission</b>	25/10/2016

## 1.2 Short description of project objective and results

Based on already proven and patented technology, the objective is to develop a unique blade-guided platform which provides service technicians easy access to rotor blades on wind turbines on-site, for regular maintenance and repair. The solution - called a Crane Basket - is characterized by being placed on the wind turbine as an integrated part. The basket is lifted into operation on the blade or tower via crane or another lifting media placed in or around the nacelle. The basket is thus ready for quick and safe use.

## 1.3 Executive summary

The overall project has been running on plan.

However, we have still not achieved the planned sales, the reasons there for could be the uncertainties regarding the blade repairs procedure not being in place, this problem is now solved and major repairs is now being planned on a high number of Turbine sites.

Until date 4 Crane basket have been produce as prototype and 12 has been produced for sales.

## 1.4 Project objectives

The overall project has been running on plan through the hole project.

However, when we came to assembly we did meet some challengers generated by lack of knowledge on working with fibre profiles and working with tight tolerances can be more challenging that working with traditional metal.

The approval and working with DNV/GL has at times been frustrating and very expensive, and have not added value to the project.

## 1.5 Project results and dissemination of results

PPTechniq has together with Palfinge marine publicized the Cranebasket on YouTube and on the wind trade fair in Copenhagen 2015 and in Hamburg this year.

Regarding sales: there have been sold 4 Cranebasket so fare another 4 has been pre-ordered for delivery in 2017, the Chinese marketed has shown a very high interest.

## **1.6 Utilization of project results**

PPTechniq will use the CraneBasket project to extend our product portfolio and gain more knowledge on the Offshore wind market.

We are now working on a project with a Chinese company to integrate our system into all their Offshore Turbines.

## **1.7 Project conclusion and perspective**

PPTechniq has achieved a recognised acknowledgement through the Wind Industry when launching the Cranebasket.

We have also been granted IP rights on the products.

### **Annex**

Relevant links

<https://www.youtube.com/watch?v=ftyrudpJNhk&feature=youtu.be>

