



PROJECT LOGISTICS

USING CRITICAL THINKING TO SUCCESSFULLY
MOVE A GIANT ACROSS COUNTRIES

THE SITUATION

Rapid Logistics, our Netherlands based company, had a client that was developing a wind farm in Spain and had purchased a 3 year old windmill off farmlands in the Netherlands. Our client needed to transport a goliath windmill measuring out 89 meters high from the center tower and with each wing measuring 60 meters in length and a total weight of 460 ton.

THE RAK CHALLENGE

How do you transport over 460 tons across land and sea in a timely manner, without damaging the product?

Rapid went to work analyzing the data and making phone calls. A LOT of phone calls. They were able to create and execute a plan that involved dismantling the standing windmill and creating arrangements for necessary land and ocean transportation.



“**RAPID LOGISTICS
ARRANGED AND
MANAGED A
COMPLETE LOGISTIC
SOLUTION FOR THIS
SINGLE WINDMILL
PROJECT TO SPAIN.**”

Rapid
LOGISTICS
a RAK logistics company



RAK LOGISTICS IS EXTREMELY SKILLED AND EXPERIENCED IN PROJECT LOGISTICS.

OUR CREATIVE & INNOVATIVE TEAM CAN CREATE A CUSTOM SOLUTION TO FULFILL YOUR LOGISTICS NEEDS.

THE **RAK** KEYS TO SUCCESS

- **Engineering a dismantling plan** – Rapid assisted in arranging facilities to ensure a correct dismantling and transport of the windmill. They turned to solutions for the Crane for dismantling the windmill a LIEBHERR LR1600 (600 ton kg capacity crane).
- **Surveying the road to ensure swift product move** – A road survey was conducted to ensure the proper equipment and supporting materials were being used on site to ensure minimal damage to the farmlands but sufficient for moving to the designated berth. (over 150 steel plates were laid to allow the move to be done safely and efficiently.)
- **Gathering the appropriate mobile cranes** – Mobile cranes (1 x 300 ton capacity crane Grove GMK6300 / 1 x 500 ton capacity crane Liebherr LTM1500) were utilized to allow the discharge of the trucks at the designated berth.
- **Finding a vessel and berth to handle capacity** - Vessel MV Merweriver was suitable to berth at the terminal nearby the dismantling site, with only a shallow draft of only 3.5mtrs (approx. 7km away from the site) .

THE **RAK** RESULTS

This project required 2 months of preparation to create a suitable time line in the proposed activities, from dismantling up to loading the vessel. Active communication between the team and customer were critical to ensure alignment between all parties. This project left no room for error and RAK successfully delivered with no delays or damages to the client's product.