

## Challenge LIGHT WEIGHT FOR GREAT CUSTOMER BENEFIT INTRODUCING NEW MATERIALS

Knuckle boom cranes are used in a variety of ways. From lifting construction material onto a construction site, moving heavy transformers into power stations to reaching places far away from the road or high up on a building. To reach even farther places, PALFINGER developed an additional steel “Jib” arm. The currently developed arm weighs >100Kg. We are now looking for alternatives to that arm that weigh less but provide similar usability for the crane operator.

## Industry Partner Who we are

PALFINGER is a leading international manufacturer of innovative lifting solutions for use on commercial vehicles, ships and stationary equipment.



Using materials such as composites, develop a new manual extension for a

## Mission knuckle boom crane that can:

- Reach up to or exceeding 5m
- Can be tilted up & down manually
- Can be stowed within the width of the truck
- Can be handled by one person able to lift a max. of 25 Kg
- Can be connected to the standardized MFA interface

