



R K Atkinson Ltd  
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### **RKA History**

Founded by Richard Atkinson to repair contact, erosion & associated damage on CPP Blades & FP propellers. On clients request this was developed to include complex Welded fracture repair & Overlay to critical areas on CPP Blades and Hubs in several grades of Bronze alloy, Duplex & Martensitic stainless steels.

Utilising this extensive knowledge in Welding/Mechanical Engineering the business was developed to include the repair, recondition and/or manufacture of replacement new parts on main propulsion CPP and Thruster.

The understanding of this equipment has lead to the manufacture & inhouse finish machining of new replacement CPP Blades, Hubs and FP Propellers.

### **Quality Service**

Competing with a competitor  
Communication without complicated detail  
Arrangement of International and National freight  
Earliest completion of information for the attending class surveyor

### **Experience and Expertise**

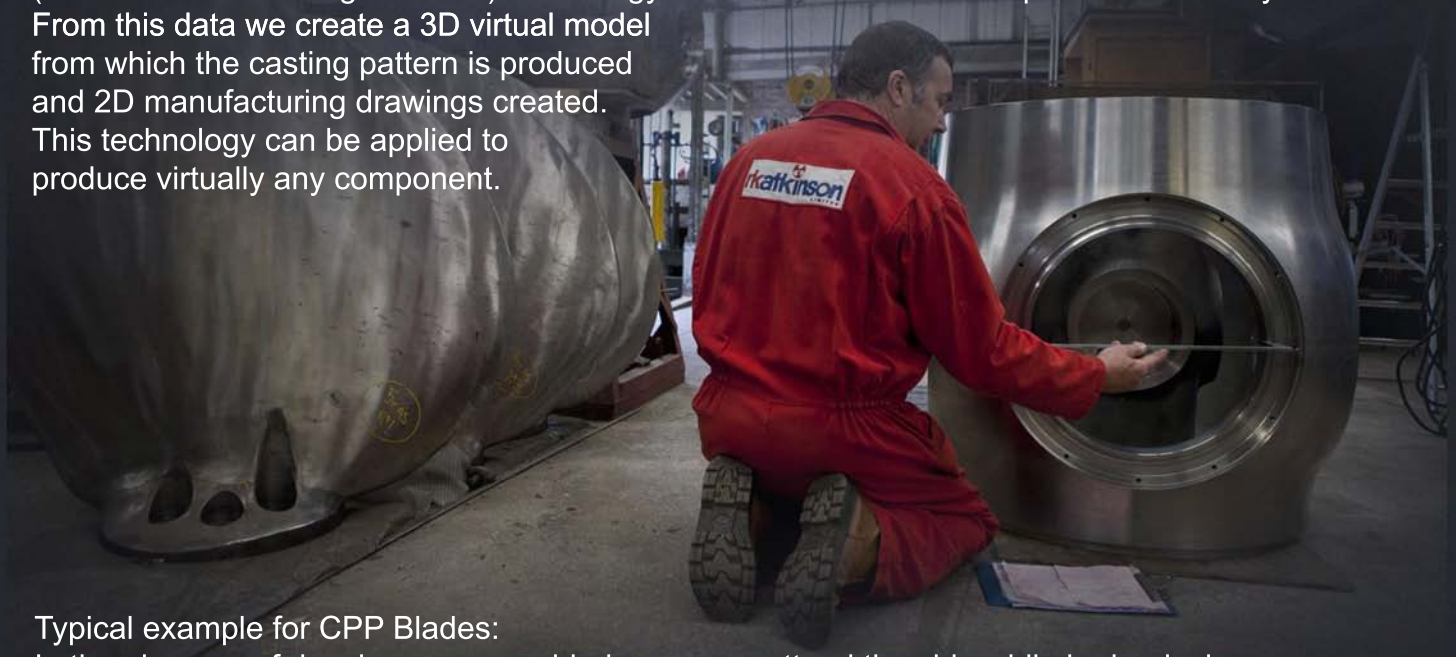
Understanding the clients position  
Application of the appropriate repair method  
Looking to improve on the original design  
Liasing with the Client and Classification surveyor  
Core staff of long standing service  
Proven ability in quality class approved work  
Ability to use modern up to date Synergice MIG & TIG Welding equipment & In house Heat treatment.  
Ability to apply the most up to date digital machining aids



## Specialists in custom CPP Blade manufacture

Replacement Custom CPP Blades, Hubs, FP Propeller & associated propulsion equipment.  
Manufactured to classification society requirements.  
Individual casting weights in Bronze Alloys to suit your requirements.  
Stainless steel alloys on request.

The geometric data of Propulsion equipment are gathered using state of the art portable CMM (Coordinate Measuring Machine) technology & CAD software for best possible accuracy. From this data we create a 3D virtual model from which the casting pattern is produced and 2D manufacturing drawings created. This technology can be applied to produce virtually any component.



Typical example for CPP Blades:

In the absence of drawings or spare blades we can attend the ship while in dry dock.  
With only one blade removed we can usually complete our data gathering in one day.  
New blades manufactured to a standard or modified design.  
This allows the ship to continue in service, changing the blades at the next opportunity.





R K Atkinson Ltd has over thirty years of reconditioning and replacing marine propulsion equipment. Understanding the project requirements and providing quality to client and classification standards CPP Hubs reconditioned to 10,000 kgs excluding Tailshaft.