

# HR4 DELIVERS!

A UK engineering company, specialising in the supply of Lift Safety Products and associated components is becoming the preferred supplier for Unintended Movement Protection solutions and Safety Gear, with the specific aim of targeting the growing far-east market in the lift safety-gear business.

In order to achieve this aim, they need to engage with far-east partner companies to manufacture and market large volumes of safety-gears and need sufficiently accurate and detailed processes to allow their partners to manufacture and build the components to the highest standards.

HR4 Ltd, whose core engineering support services include the development of technical manuals and publications for a wide range of engineering companies, had been introduced to them previously, and we were engaged to develop a Manufacturing Manual, which would be given to partner companies, providing the necessary manufacturing information for the Safety Gear.

Early in the development process of the Manufacturing Manual, HR4 identified gaps in the engineering data, which would make the manufacturing of the safety gears impossible for the partner, without significant input, guidance and constant supervision by our clients.

HR4 therefore spent some time providing the following

- Advice on the content of the Safety Gear engineering drawing pack, ensuring this was sufficiently detailed enough to engage potential partners.
- Developing a supporting Equipment Breakdown Structure (EBS) was also developed to add a hierarchically structured list of parts for the Safety Gear,
- Completing the Technical Data Pack (TDP).

Having completed the TDP, HR4 developed the Manuals as identified in the initial requirement:

- A Manufacturing manual
- An Assembly manual
- An over-arching Quality manual

However during their development it was identified that these would not provide a fully complete set of instructions for the manufacture, fitting and testing of the Safety Gear and so the publications structure was expanded to include:

- An Inspection manual
- An Installation manual
- A Maintenance manual, in all a 5 chapter manual with an introductory preface.

Whilst the original tasking did not fully meet the client's needs, with HR4's proactive approach we were able to identify all the documentation requirements and have continued to assist the client to prepare themselves for their move into a highly competitive and growing overseas market with a formal, structured and repeatable: manufacturing, assembly, fitting, testing and quality control processes.

## EQUIPMENT MANUFACTURING SUPPORT

