



# R BAKER (ELECTRICAL) LTD

Defence & Naval Services

# OUR CAPABILITIES

Building our business



# OUR EXPERIENCE

- R Baker (Electrical) Ltd is a long-standing supplier to the defence sector carrying out ongoing day-to-day projects for some of the biggest names in the industry, including the Ministry of Defence, BAE Systems and Babcock Marine.
- Our multi-disciplinary teams offer in-depth experience and understanding of NATO stock number equipment which includes the manufacture and repair of a wide range of equipment.
- We are proud to have worked on some of the most prestigious projects the Ministry of Defence have been involved in. This includes being the manufacturer of the lighting transformers for the new Queen Elizabeth Class Aircraft Carriers.
- [Click here to take a full overview of R Baker \(Electrical\) Ltd.](#)

## Our Clients



# OUR SERVICES

## Manufacturing Services

- Military standard transformers (NSN)
- Military standard fuse panels (NSN)
- Military standard control systems
- Military standard control panels
- Manufacture of obsolete equipment
- Supply of motors, fans and pumps
- Custom-made military equipment

## Repair Services

- Transformer repairs up to 1MVA
- Electronic board repairs
- Overhaul obsolete equipment
- Repair of motors, fans and pumps
- Reverse engineering capabilities
- Strip and survey reports - NSN items

[Click here to take a full overview of R Baker \(Electrical\) Ltd.](#)

## Accreditations



# TRANSFORMERS

We are able to design, supply, install and commission NSN codified transformers. R Baker (Electrical) Ltd has supported many major UK and international naval & land platform programmes.

Being at the cutting-edge of technology, we pride ourselves on exacting our customers' requirements both on budget and on time. As a result, R Baker (Electrical) Ltd customers commend us for our in-depth experience, broad technical expertise, long-term partnership management, impartial advice and reliability.

## Range Includes:

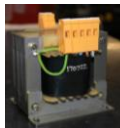
- Transformers from 100VA up to 250kVA

## Features

- NSN codified transformers
- Three phase / single phase transformers
- Open type / enclosed style transformers
- Isolation transformers
- Shock-tested
- Low magnetic signature
- Degaussing compensation coils
- DefStan standards

[Read more about our transformer services](#)

Products



# TRANSFORMER REWINDS

R Baker (Electrical) Ltd rewind, overhaul and maintain NSN codified transformers. We have supported many major UK and international naval & land platform programmes, offering strip, survey and repair services.

Repairing a transformer instead of replacing with a new transformer can substantially reduce investment costs and provide a faster turnaround. Furthermore, to maximise the assets technical life, a refurbishment or overhaul can be an intermediate action when no failure has occurred and the ageing of the active part has reached a stage where the continued reliability of the transformer is unacceptable.

## **Services include:**

- Rewinds up to 500kVA
- Transformer maintenance
- Strip, survey and report of codified transformers (NSN)
- Repaired to defence standards (DefStan)

[Read more about our transformer rewind services](#)

# MOTORS, PUMPS & STATORS

We stock a large range of electric motors, from leading manufacturers including Tec, Marelli, Brook Crompton, Entec and Weg. We can supply equivalent specification alternatives to all brands of motors, including NSN codified items.

We also offer a comprehensive maintenance and rewind service for all of your electric AC/DC motors. This service includes the overhaul and rewind of armatures and field systems.

## Services include:

- Supply motors, fans and pumps.
- Armature rewinds
- Motor, pump and fan repairs
- Stator rewinds

[Read more about our mechanical services](#)

Products



# FUSE PANELS

R Baker (Electrical) Ltd have a dedicated in-house product manufacturing team who design, manufacture and supply an extensive range of certified distribution and fuse panels for use across a range of sectors including hazardous areas and military application.

## **Range includes:**

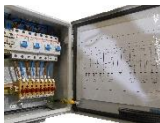
- NSN codified fuse panels
- Non-codified panels to defence standards
- MCCB, MCB, RCD panels available

## **Services include:**

- Custom built fuse panels to DefStan standards
- NSN codified panels
- Switchboard panels
- Distribution boards

[Read more about our panel services](#)

Products





# STRIP & SURVEY REPORT OF CODIFIED ITEMS

We offer a full strip and survey service on NSN codified electrical items, offering full reporting. R Baker (Electrical) Ltd has supported many major UK naval platform programmes, reporting and repairing on a wide range of electrical equipment.

## Services

- Equipment inspection and full strip down
- Preparation of strip and survey reports
- Fault analysis and repair
- Visual and electrical inspection
- Overhaul existing components
- Manufacture new components
- Re-assembly and testing

## Examples of Equipment

- Electronic boards (PCB)
- Control systems
- Fans (Ram fan, Water turbine)
- Fuse panels
- Transformers
- Motors
- Sewing machine
- Floor polishers

[Read more about our repair services](#)

Products



# STRIP & SURVEY REPORT OF CODIFIED ITEMS

## Case Study Ministry of Defence

R Baker (Electrical) Ltd has supported the Ministry of Defence for 35 years. We currently manage the repair and overhaul of NSN codified equipment on the GPC Repair Contract. This includes full strip and survey reporting, through to overhaul and maintenance of electrical and mechanical products.

## Case Study Babcock

We currently manage and overhaul a wide range of electrical and mechanical components on contract MET LOT 3. Our management team have worked closely with Babcock to implement a speedy strip, survey and reporting process. This has resulted in building a great working relationship with Babcock.

Our Clients



# CUSTOM MADE MILITARY EQUIPMENT

R Baker (Electrical) Ltd have a dedicated in-house product manufacturing team who design, manufacture and supply an extensive range of equipment including hazardous area and military application.

## Examples of Equipment

- Changeover switch units
- Control systems
- Voltage stabilises
- Distribution panels
- UPS systems
- Load banks
- 3D printing of obsolete equipment
- Power Supplies

[Read more about our services](#)

Products



# MORE INFORMATION

If you have any requirements or would like to discuss a future project with our team please contact:

Tel: 0151 486 6760

Email: [mail@rbaker.co.uk](mailto:mail@rbaker.co.uk)

Website: [www.rbaker.co.uk](http://www.rbaker.co.uk)