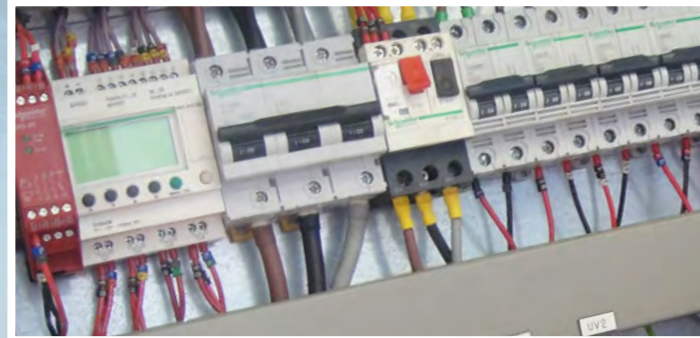


I.M.E

Repair Services Ltd



Electrical Solutions for Marine Industry & Petro Chem



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About I.M.E.

IME was established in December 2006 with 5 personnel covering marine and industrial electrical requirements throughout the UK.

We now have 22 employees to cover our ever growing customer base, which allows IME to cover all your electrical requirements in house.

IME offer a 24hr 365 days a year breakdown and repair service supporting the marine and petrochemical industry as their core customers.

Teams of personnel can be mobilised quickly and efficiently to ensure minimum down time incurred by the customer.

In the age where H&S is paramount, we invest heavily in our customer's requirements to ensure all areas are met with the correct procedures and training required.

IME is built up of the following areas;

Southampton based workshop

Motor / generator repair and rewinds to AC/DC equipment and a machine shop offering a 5mtr semi automatic CNC lathe, along with large milling and drilling facility / fabricating

Petrochemicals

This is predominantly site based work undertaken around oil and gas sites right across the south coast, from breakdowns to large turn key projects.

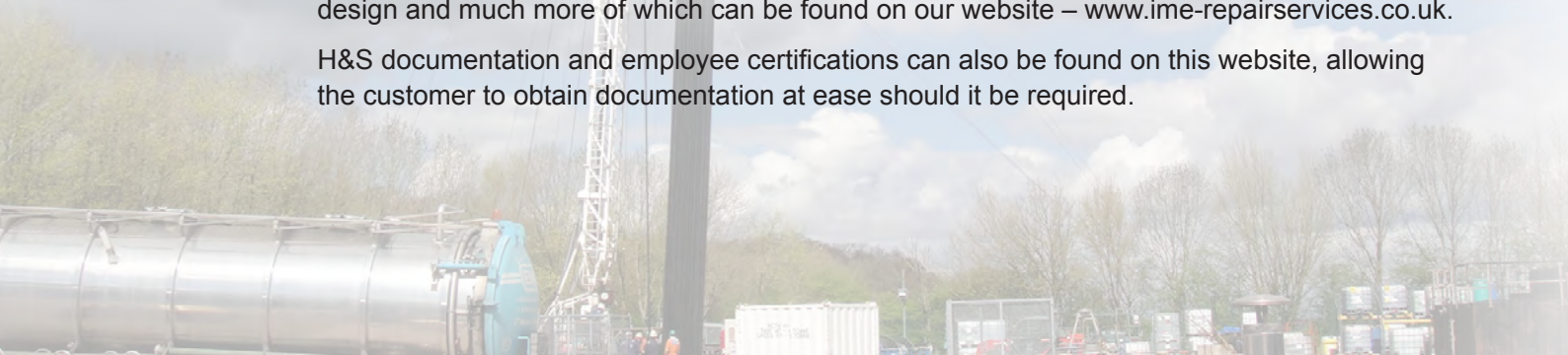
Marine

This covers a world wide spectrum. IME provide marine electricians to undertake breakdowns and large electrical refits, working alongside class to ensure the highest standards are met around the world.

Specialist Services

We also have trained staff in thermal imaging, vibration analysis, laser alignment, control panel design and much more of which can be found on our website – www.ime-repairservices.co.uk.

H&S documentation and employee certifications can also be found on this website, allowing the customer to obtain documentation at ease should it be required.



Electrical Solutions for Marine Industry & Petro Chem

Workshops

Within our workshops at Southampton, we undertake a wide range of repairs to AC and DC motors. Rewinds can be turned around on a 24hr basis depending on size and availability of materials.

We have machining facilities consisting of a 5mtr semi automatic CNC lathe, milling capabilities, large drilling machines, welding plant and much more. This allows us to undertake repairs to damaged equipment or if required, fabricate from new.



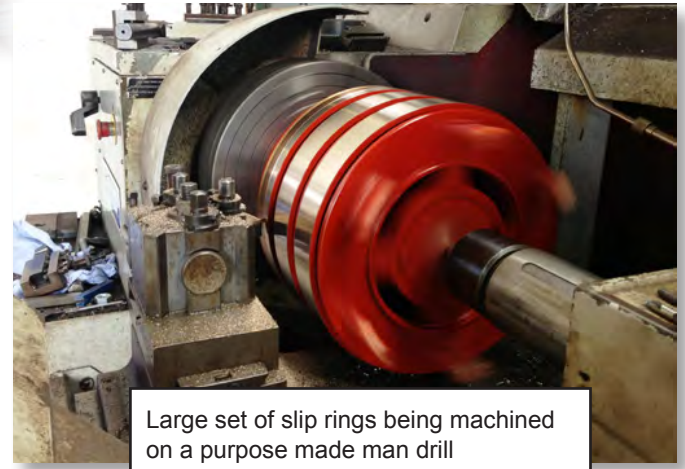
100kw armature - undergoing full rewind. This is being wound as a spare for a polythene extruding company



5 tonne bow thruster - delivered to IME from a vessel in Falmouth undergoing a full overhaul.



Tail sheave manufactured for the dredging industry. The customer supplied the cast but IME undertook the manufacture of all shafts and sleeves from supplied drawings.



Large set of slip rings being machined on a purpose made man drill



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• MOTOR GENERATOR REWIND & REPAIR • PAT TESTING • PANEL DESIGN & BUILD • PLC ALARM & DRIVE SYSTEMS • THERMAL IMAGING

Electrical Solutions for Marine Industry & Petro Chem

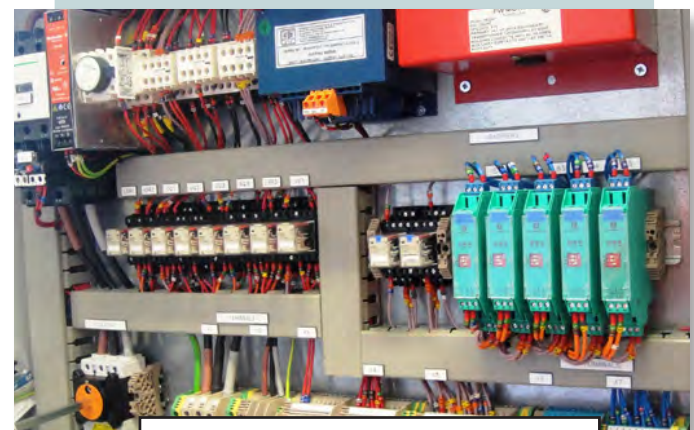
Workshops - Panel Building

Within our workshops we also have a panel building department of which we use EPLAN design software to construct the most basic of control circuits, to the more advanced control circuits. This covers bespoke designs meeting the customer's requirements and needs.

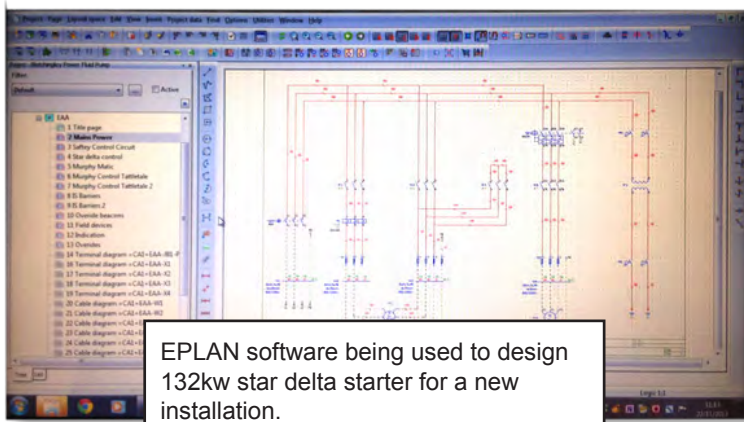
From design to repair, IME can cover all your electrical needs. With a team of men covering specific areas of the trade, there is always someone available to undertake your requirements.



2 x power fluid pump panels designed and installed at Folly Farm oil and gas site.



100kw bespoke soft start drive panel for oil and gas site. This panel also consists of IS circuits for field devices.



EPLAN software being used to design 132kw star delta starter for a new installation.



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Electrical Solutions for Marine Industry & Petro Chem

Site Based – Industry and Petrochem

Our site teams cover a wide variety of electrical work, from immediate response breakdowns to large installation projects. Supporting this, IME has its own dedicated purchasing department and internal stores to which we keep a large range of electrical stock.

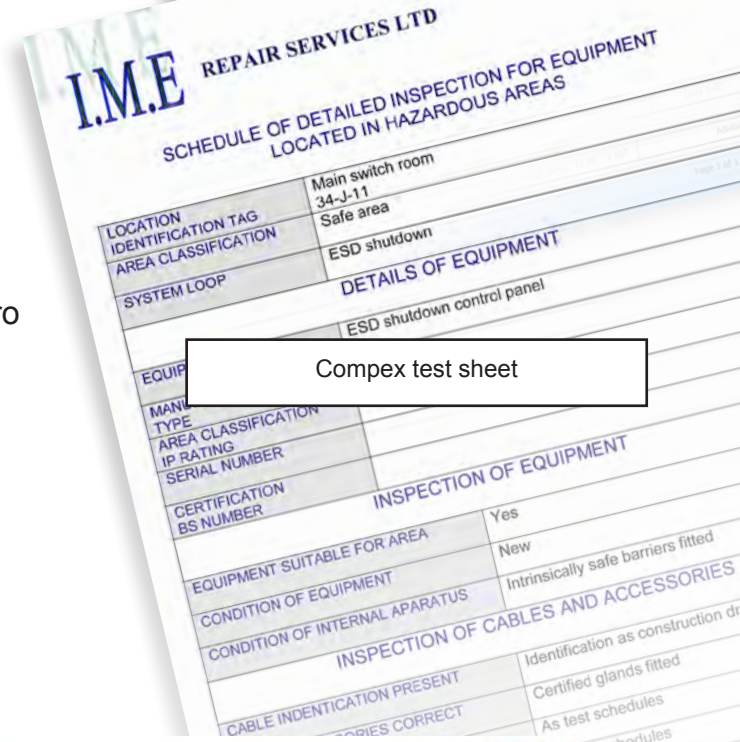
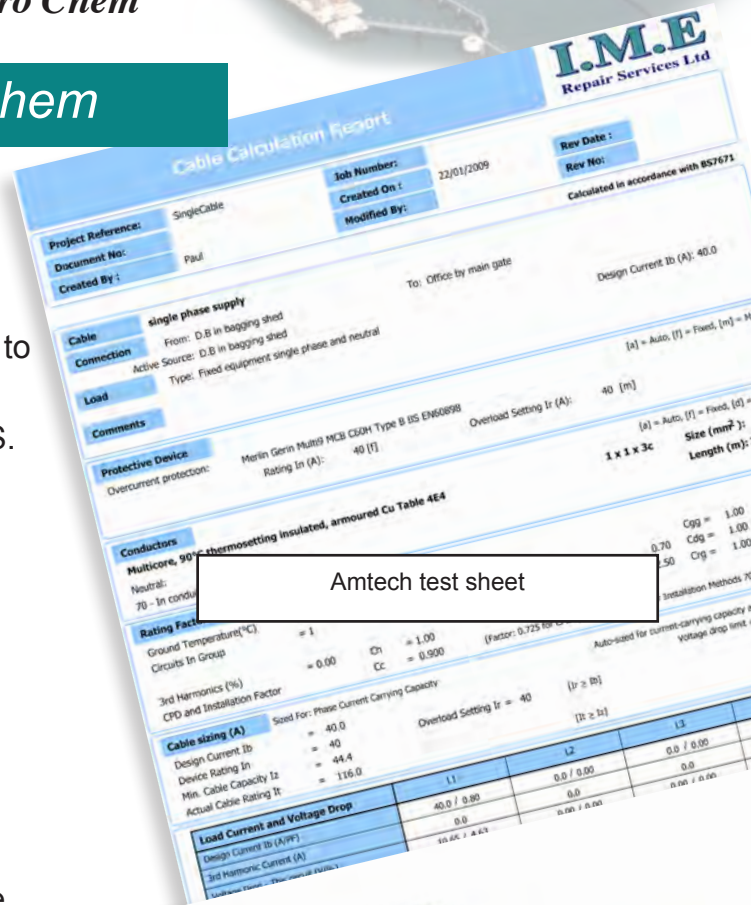
This ranges from breakers to generator control AVR'S.

At IME, we provide 24 hour breakdown and repair cover for any electrical equipment.

Installation designs are undertaken on our Amtech software ensuring all calculations are taken into account.

Once the installation is complete, we have trained personnel to undertake the inspection and testing of the installation. These results are also produced on Amtech and are recognised by NICEIC, to which we are members. IME regularly test all equipment in house and yearly send the test equipment away to be calibrated and certified.

For inspections such as Compex, we design our own spread sheets to provide to the customer. This covers all relative detail. Should the customer prefer, we can import their template and complete it accordingly. Dedicated trained personnel are available for this aspect of electrical work as it makes up a large percentage of our day to day site business for the petro chem industry.



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Electrical Solutions for Marine Industry & Petro Chem

Site Based – Industry and Petrochem

IME breakdown and repair for electrical problems on site cover simple faults such as mains loss through to PLC faults and Complex control systems, such as AC/DC drives.

Engineers can be mobilised within the hour and be underway anywhere within the UK. IME always offer a repair or solution to any fault, ensuring that the customer is up and running with minimal down time and disruption.



IME undertaking Well Enhancement Project for HGEL 2012 – 2013



Extensive IS Installation Project for Well Enhancement for HGEL 2012-2013



IME undertaking electrical upgrade for IGAS Ltd at Larkwhistle Farm 2012



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Electrical Solutions for Marine Industry & Petro Chem

Marine Based

I.M.E extensively covers the Marine industry for electrical engineering. From 24hr breakdown and repair cover to planned dry dockings, we are able to provide skilled personnel to attend your vessel anywhere in the world.

We regularly undertake and complete extensive repairs to fire/flood damaged vessels. Using class approved materials, we are able to return your vessel back to its full electrical condition, should these unfortunate situations occur. We will ensure all standards are met and provide full documentation on components used and installed.

From the installation of lighting and sockets through to complex alarm systems and switchboards, we are able to supply design, build and install these systems to meet your personal requirements.

Personnel from our motor/rewind workshops can attend vessels to undertake the cleaning in situ of large rotating equipment that cannot be removed from the vessel for workshop repairs. Using a class approved 2 part electrical cleaner that does not require heat, we are able to chemically wash windings that are dirty and require the insulation resistance to be raised to a suitable standard. From initial assessment, through to laser alignment and commissioning of your rotating equipment, IME can undertake the onboard overhaul and associated repairs of all your rotating equipment should this be required.



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Electrical Solutions for Marine Industry & Petro Chem

Marine Based

We realise that missing time slots and tides can have an impact on the day to day running of a vessel. Our highly trained breakdown team can be mobilised within the hour, night or day and are able to investigate/repair simple power failure faults to the more complex PLC, generators and alarm systems faults.

A large stock of marine based materials and control gear is retained at I.M.E stores in Southampton to assist with these faults and can be dispatched from our stores within an hour ensuring that the vessel is able to return to its working condition as soon as possible.

Combined with the other services that we provide, I.M.E are able to offer the complete electrical solution to all your vessels electrical requirements, 24 hrs a day 365 days a year.



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Electrical Solutions for Marine Industry & Petro Chem

Specialist Services

This aspect of our work covers all associated areas of I.M.E's business, supported with the most up to date software on the market. We can provide detailed reports and designs in preventative maintenance equipment, PAT testing, alarm systems, switchboard and control panels.

Thermal Imaging

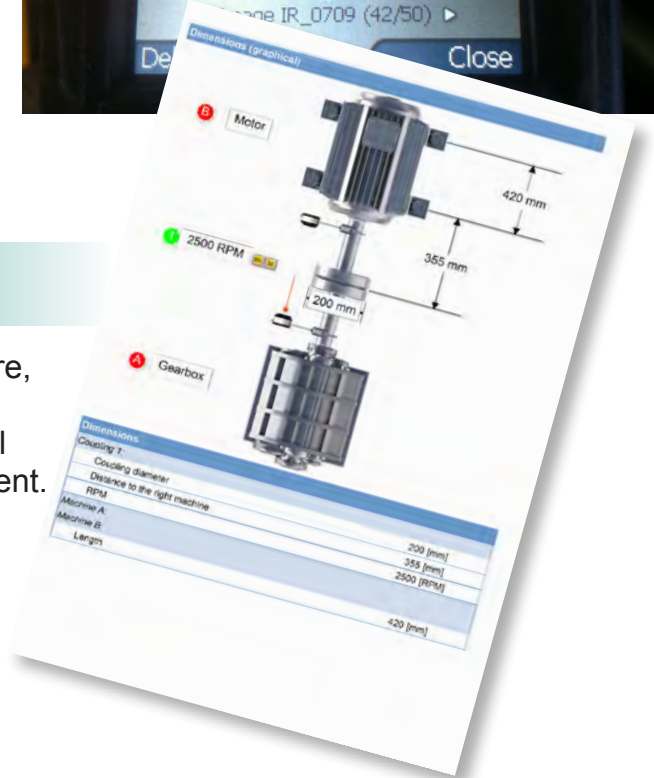
We have a FLIR Thermal Image camera complete with software and personnel trained to use it to its full potential. From general preventative maintenance checks to class approved switchboard inspections, we can provide engineers to attend site or sail with a vessel to undertake the inspection.

This form of preventative maintenance can prevent unwanted breakdowns or detect more serious problems such as fires or meltdown of equipment. Before undertaking a special class docking, I.M.E will attend and sail with a vessel to undertake a full thermal image of the ship, this is then passed onto the customer and class along with recommendations of any repairs needed.



Laser Alignment

I.M.E has Pruftechnik smart align and supporting software, accompanied with a comprehensive SKF shim kit. Our specially trained personnel can attend your site or vessel and undertake the full alignment of your rotating equipment. This in turn is supported with a detailed certificate of readings before and after alignment giving the customer piece of mind that their equipment is being used at its maximum efficiency and the risk of future mechanical failure is greatly reduced.



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Condition Monitoring

I.M.E. has a Pruftechnik VIB scanner and has fully trained personnel in the use of this equipment. Our equipment is of an 'EX' standard so we are able to use this on the more sensitive petro-chem sites. Monitoring your rotating equipment on a regular basis allows you to trend the condition of bearings, gears, fans etc, and plan when it is best to undertake repairs, should they be required. This prevents unwanted breakdowns which in turn could have resulted in a loss of revenue for the customer.

In an age where our carbon footprint is being addressed more and more by I.M.E customers and many other large organisations, this equipment along with the laser alignment and thermal image can reduce the footprint by means of making your equipment more efficient and addressing faults in advance, allowing planned repairs to be undertaken.

Our equipment also has a balancing machine software within which allows us to undertake onsite balancing should it be requested.

Pat Testing

I.M.E uses Fluke PAT testing equipment and software. We are able to produce a company database on our system and allocate all portable equipment with its own unique code and bar code. This allows us to identify your equipment with ease if it has been registered and tested previously. Customers receive a detailed certificate for each item tested and when re-testing is due, reminders are sent out, taking the strain at staying on top of this away from the customer.





Workshop

- Motor and generator overhaul
- Pump and gearbox overhaul
- AC/DC rewinds
- Machining / fabricating services.
5 metre semi automatic CNC lathe
- Balancing

Site Based

- Electrical Installation
- Compex trained electricians for Petro Chem industry
- Electrical upgrades
- 24hr breakdown service
- Periodic maintenance
- Inspecting and testing

Marine Based

- Electrical Installation
- Onboard repairs to rotating equipment
- 24hr breakdown cover
- Worldwide coverage from the UK
- Class approved repairs
- Large or small refits

Specialist Services Supplied To Marine and Land Based Organisations

- Thermal Imaging
- Laser Alignment
- Vibration Analysis
- On site Balancing
- PAT testing
- Control panel design and build
- PLC design / programming
- Alarm systems

Supporting Software

- Amtech design and test
- Eplan control systems design
- Fluke power PAT
- Fluke thermal image reports software
- Pruftechnik laser alignment and vibration analysis
- Schneider PLC software for design and maintenance

I.M.E

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