

CURRICULUM VITAE

TREVOR HUTCHINSON

Devon

Worldwide

Digital Nomad

Working From Home 100% Remotely.

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I'm highly motivated, flexible and bring an in-depth working knowledge as well as more than 25 years of wide experience in different countries like Holland, Belgium, Germany, India, South Africa and Britain.

Over the years I've developed the capacity to identify needs and find solutions for a wide range of applications and use my skills with vision, clarity and pragmatism while successfully managing projects and workload.

I am always looking to the future in my design work, working for the best solutions.

I can take a project from conception to Stage E in design, in all disciplines (power, lighting, fire protection, data, etc.)

I look for sustainable solutions which will help in the reduction of the buildings Carbon Footprint.

On most of my Mission Critical Projects, I am always seeking solutions to the Data cabling infrastructure, trying to use Fibre Optic within the fabric of the building, thus reducing cabling and containment.

I like people and gain good rapport with them quickly. I enjoy working in a team and contributing to the growth of other team members.

Training:

Auto CAD Electrical design and engineering (HNC)

Microsoft Certified

Safety Certificate for Petro - Chemical Industry

Dutch Electrical Systems (HNC),

Telecommunications and Electro (HND)

City and Guilds in Mechanical Engineering

Engineering Science and Mathematics

Engineering Drawing and Materials

CPD Courses

Member CIBSE/A

Languages Spoken:

English, Dutch

Professional Experience:

June 2024- Present

AKS Gibraltar(Remote)

Senior Electrical Design Consultant on Contract (Umbrella).
Working remotely on mixed projects.
Residential, Schools, MOD, Commercial,
Office & Industrial Projects.

April 2024- June 2024

Hydrock(Remote)

Senior Electrical Design Consultant on Contract (Umbrella).
Working remotely on mixed projects.
Office & Industrial Projects.

July 26, 2021- April 2022

JSNL(Remote)

Senior Electrical Design Consultant on Contract (Umbrella).
Working remotely on mixed projects.
Office & Industrial Projects.

March 2020- September 7, 2020

JSA Consulting (PPA)(Remote)

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.
Working remotely on a mixed development project Residential, Commercial & Health Centre.

February 2020 - March 2020

Humphrey M&E Consulting(Remote)

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.
Working remotely on a MOD project.

July 2019- September 2019

MilieuConsult

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.
Working on Schools, Residential Apartments, and Mix developments.

March 2019-July 2019

RHB Partners

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.
Working on Finsbury Tower, London, Cat A & B offices, Mix developments.
Commercial

Dec 2018- Feb 2019

Temp Position in the South as Electrical Consultant.

March 2018- Dec 2018

David Bedwell Partners

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.
Working on Cambridge Trinity College Student accommodation, Cat A & B offices (Cambridge Science Park), Sawtry Village Academy English Block, Gonville College Kitchens, Commercial CCTV district plan.

October 2016- September 2017

Desco, Croydon

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.
Working on High Rise Residential Apartments, Cat A & B offices (London and the South East), Mix developments.
Commercial Shell & Core.

March 2016- August 2016

ESPLtd-Riley, Croydon

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.

Working on TSB Bank branches, Cat A & B offices (London and the South East), Major retailer outfit (Primark)

August 2015- December 2015

Grontmij, Maidenhead

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.

Working on Battersea Site Wide Fire Protection system, Farringdon Road Multi use with Commercial fit out building, Seymour street Multi use building with Commercial fit out & Gothenburg Polar Star High Rise (300metres high)

April 2015- August 2015

EDP-Environmental, Exeter & London

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.

Working on Skoda Commercial showroom, Care Homes, Apartments, Houses, Community Centre, High Spec residential, (Fire, Lighting, Data, Security, Small Power, Backup Generation & Lightning protection/ Earthing).

March 2015- April 2015

ChapmanBDSP, London

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.

Working on the Iconic Battersea Power Station Complex, carrying out multi electrical designs. (MV/HV, Fire, Lighting, Security, Small Power, Backup Generation & Lightning protection/Earthing). Complex includes, Residential, Retail, Offices, Mall, and Entertainment.

September 2014 – March 2015

Waterman Group, Bristol

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.

Working on the RNAS Yeovilton, with multi electrical discipline designs. (MV/HV, Fire, Lighting, Security, Small Power, Backup Generation & Lightning protection/Earthing). Helicopter Hangers and Offices

March 2014 – to September 2014

Buro Happold, Bath

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.

Working on the Dyson Regeneration, Malmesbury, with multi electrical discipline designs. (MV/HV, Fire, Lighting, Security, Small Power, Backup Generation & Lightning protection/Earthing).

Dyson, Malmesbury

April 2013 – to March 2014

Atkins global, Exeter

Senior Electrical Design Consultant on Contract via my limited company Hutchinson-EDS.

Working on a number of projects, designing, & production, and day to day running of all the projects that I am involved in are.

West Devon Borough Council offices, Cockington Primary School,

MV distribution network for Airport.

Royal Mail Distribution Depot, London

Fast Jet Squadron, HQ and Maintenance Facilities, Middle East (Confidential Client).

Multiple buildings, inc squadron and maintenance hangars, workshops, ancillary buildings, this was a multi-million M&E design project.

March 2013 – to April 2013

Hoare Lea, Plymouth

Senior Electrical Design Consultant on Contract.

Working on a number of projects, designing, & production, and day to day running of all the projects that I am involved in are.

Cornwall County Council offices, mental health accommodation,

Devon School design projects.

Detail Design for all these projects include co-ordination with Mechanical service, Small Power, Main Supply, Data, Security(CCTV ,Access control ,Detection, Response), Fire Protection, AV, Lighting (Tender Packages),

Client and Design meetings.

March 2012 to March 2013

Battle McCarthy

As the Senior/Principle Electrical Design Engineer (Staff) I was in charge of the Electrical design team on a number of projects, overseeing the design, production, and day to day running of all the projects that we were involved in.

Survey work for a number of clients, condition reports etc.

Research Labs in Saudi Arabia.

College in Marylebone

300 acre estate in Surrey

Citizen M Hotels

Overseas

Oct 2011 to 2012

For the last 6 months I was been involved with local Architects & NGO's in India, working on ECO houses on a voluntary basis.

Finding MEP solutions for buildings unique to this area (the mountain region of the Nilgris).

July 2011 to Sept 2011

EEP Consultants

As the Senior Electrical Design Consultant (Contract)I was in charge of the Electrical design team on a number of projects, overseeing the design, production, mentoring and day to day running of all the projects that we were involved in.

These include the McAlpine Estate, complete design and survey for the refurbishment and relocation of services.

The New St Pauls & St.Peters church development Battersea.

April 2011 to July 2011

Amey Consultants.

Principle Electrical Design Consultant:

As the Principle Electrical Design Consultant (Contract) I was in charge of the Electrical design team on a number of projects, overseeing the design, production, mentoring and day to day running of all the projects that we are involved in. These include Herefordshire Council library, Information, Leisure, Social and School design projects.

I also have an overseeing function on the Department for Transport refurbishment and relocation of their mission critical building.

Survey work for a number of clients, condition reports etc.

We had a close involvement with Ruislip, Hillingdon and Uxbridge councils on their Libraries, Schools and Offices.

Detail Design for all these projects include co-ordination with Mechanical service, Small Power, Main Supply, Data, Security(CCTV ,Access control ,Detection, Response), Fire Protection, AV, Lighting (Tender Packages),

Client and Design meetings.

November 2010 to January 2011

Edward Pearce & Partners (on contract)

Senior Electrical Design Consultant:

As the Senior Electrical Design Consultant (Contract) I have designed a 16 high spec. apartments (Grade II listed) complex for Lord Grosvenor's estate (value of apartments £2.5M to £5M) , this involved main power incomer(transformer) to power distribution, Data, TV, Small Power, Lighting , Crestron Units, Security(Secure by Design) design all aspects for detection and access, and Fire protection(Tender Package).

Chief Designer for the refurbishment of the East Surrey Hospital (Endoscopy Unit) phases 2, 3 & 4, another mission critical installation, this entailed co-ordination with each phase on a working hospital. Small Power, Data, Designing the Security system, Fire Protection and Lighting.

Detail Design for a 7 bedroom high spec residential house on Telegraph Hill, which included co-ordination with mechanical service, Small Power, Main Supply, Data, Security (CCTV, Access control, Detection, Response), Fire Protection, AV, and Lighting (Tender Package).

May 2009 to July 2010

Lend Lease Design (on contract)

South Harrow, London

Senior Electrical Design Consultant:

As the Lead Electrical Design Consultant, I was responsible for the project from conception to hand over of the **Olympic Village Plot N14**, the design was for 200 marketable and social apartments.

We were the design consultants with ODC (Olympic Design Committee), I proposed & designed the fibre optic supply and distribution for the Olympic Village Apartments (TV, Data AV).

I was deeply involved with the Architects, Client meetings, Design meetings, co-ordination between the Mechanical and Public health teams, 3d modelling, white box, Amtech, Dialux calculations. Electrical project management.

Compliance monitoring of site wise installation from all contractors and consultants.

Imperial College Block 'L' Medical Research Centre(Mission Critical) - Lead Design Engineer of this Design and build project, lighting design, fire alarm, security systems, power generation ,UPS, Data, AV, etc.

Client consultation, project meetings, co-ordination of the project and hands on design, calculations, specifications and drawings for CAD team.

Consulting with Design Teams, Trouble shooting on Projects, Control of Design Installations.

Planning and Design incorporates reduced Carbon Footprint on the environment (BREEAM),

Developing sustainability reports for ECO friendly projects.

Project managing all aspects of the project including client and design team meetings.

With the use of Amtech based programs to show compliance with relative regulations, design calculations and technical specifications.

Other projects include NHS Health Centres, Schools (BSF), Residential, High Rise Complexes, Student Accommodation and Mixed Developments.

I have an overall knowledge of what is required and can lead a team on project design, development, checking, review, mentoring other engineers and creating solutions for any project.

I design the best solutions that are required by the client, giving advice and details. Making the client feel secure in the knowledge that they have the best system to for their requirements.

2008 to 2009

Nimbusrose

Clerkenwell Close, London

Senior Electrical Design Engineer (Staff) (Electrical and Mechanical Services)

Projects include **Streatham NHS Health Centre, North fleet Girls School, Kendrick Girls School, Reading, and Whitstable Community Schools Nursery (BSF),**

Student Accommodation, Mixed Developments and refurbishment of retail and office buildings.

Surveys of existing building for refurbishment.

Design renovation of 3rd floor wing Kings College from research lab to Kings College of Dentistry (complete fit out).

Design and manage, Strip out and new installation for Rheumatology department Kings College.

Consulting with Design Teams, Trouble shooting on Projects, Control of Design Installations.
Planning and Design incorporates lighting design, small power, plant power, Earthing, lightning protection and access control.
Developing sustainability reports for ECO friendly projects which include Solar, Wind, Mini HEP, Ground / Air source heat pumps and Biomass fired boilers
With the use of Leonardo based programs to show energy consumption on different projects.

2007 to 2008

Paul Moy Associates

Montague Mews, London

Senior Electrical Design Engineer for Building Services (Staff)

Projects include Retail Outlets, Mental Health Hospitals, Schools, and High Spec Residential buildings.
Concept designing, Trouble shooting on Projects, Control of Design Installations.
Planning and Design incorporates lighting design, fire alarm and detection systems, small power and LV switch rooms.
Design of main switch panel for Gonville primary School, Streatham.
Complete Design from concept to construction of 32 High Spec Apartments in a grade II listed building, Clapham Common.
Design for refurbishment of grade II listed Hotel at Queensgate, London.

2006 to 2007

Voluntary work – Tsunami affected areas, SOUTH INDIA

South India Paper factory employing local village women:
Designing and planning for the rebuilding of the unit. From Production line to Electrical layout, as well as re-engineering small machines for special needs.
Rural Telephone Distribution unit:
Consulting on equipment, programs, infrastructure and set-up.

2005 to 2006

Freelance Building Services Project Consultant

Jetfresh, Eijdsden, The Netherlands

Design and Project Coordination of Complete Business Network, Data/Telephone Network, Electrical Distribution System, Security and Fire Detection System

Bakkers, Groensveld

Engineering Project Manager

Technical and Project Co-ordination of Restoration of a Grade 2 listed Manor.

2004 to 2005

"AmecSpie"

Electrical Project Engineer

Working on two Projects
Data/Fire protection/Electrical projects

"UNS Hospital" and "AFNORTH (NATO)".

UNS Hospital (Mission Critical)

Working closely with the Engineering team, I was involved in the day-to-day Planning and Design of the secondary distribution of the Electrical Network.
Lighting control, designing the placement of the lighting system per room/building, Socket placement, Distribution panels, calculating load per floor/building, Placement of main distribution rooms, Designing Fire Protection Panels and Visual Diagram for escape routes/ fire indication panels, Fire Detection Sensors, fire door quick Release Systems and Data and Security systems (data points) (Security cameras and monitors).

Afnorth NATO

I was in charge of Replacing and Upgrading all the Electrical Distribution panels (50) Recording, Supervising, Preparing regular progress reports on the Design Project, Calculating cable size as well as load type and size.

1997 to 2003

"E.I.T. Netherlands" - Electrical Design Engineer

Rijks Water Offices (Mission Critical), Maastricht

I was in charge of Planning, Designing and Placement of Data/Telephone System.
This included 930 Workstations 8 patch panels, fibre optic cables, LAN 5 feeds to COMPAC Main frame.

I was closely involved with the architect in establishing location for distribution rooms, computer rooms, and installation of network which comprised 128km of cabling.

We designed a Fibre Optic ring within the building, thus reducing the cabling and containment giving a faster network.

Another project that I was involved in was the Data and Lighting Placement and Installation for the **Heerlen University**

Coordinating and managing the installation team.

1990 to 1997

"Imtech Netherlands" - Electrical and Mechanical Engineer

For the last 4 years with this company I was on the team that

Started the development of **DYNEEMA**

(the strongest fibre in the world).

From Planning, Preventive Maintenances to

Scheduling Replacement of certain equipment at 6 weekly intervals to minimize the occurrence of breakdown, so maintaining a continuous Production Line routine.

Design and Execution of new machinery according to EU safety standards to work this product.

As this was a new product, there were no machines in production to make this fibre e.g. a 3 denier

Strand has the textile strength of 4 times that of nylon.

This fibre is used in F1, sailing, Mercedes Armoured Cars, bulletproof vest/helmets ropes etc. ISO 9001/NEN 1010 approved.

Before 1997

**"E.T.M. Netherlands" - Electrical and Mechanical Engineer,
Kabeltel, Brussels.**

On a daily basis Planning and Supervising the Installation of cable TV in the Molenberg area, Inspection, Customer Relations and Testing.

Rank Xerox,

I was in charge of Designing and Installing a Production Line conveyor belt system for the new colour Photocopiers; the work entailed cabling, connection adjusting and production of the complete system.

Solvay,

Which was a chemical factory that produced Chloride from salt, I was responsible for Planning and Execution of the Honeywell PLC for this process. This entailed making diagrams, layouts and rewiring of existing cables, distribution boxes and I/O's.

Rock wool,

Rock wool is a product used for insulation; it is similar to glass wool but is made from melting a special rock and spinning it under high pressure. My task was to Monitor, Maintain, Install and Develop new and existing packing machines for all the end products.

Opel Factory, Antwerp

I was working with a Japanese company who were Installing the conveyor system for the new Astra. I was involved in the Setting Adjustment of the Transport and Carriage system (the process covered 2km) that included Mechanical, Electrical and Data I/O's using a special program made for this system.

"TOP Netherland"

Developing and Construction of Energy Saving Devices and Central Heating Systems for the Housing Industry.

I worked on a new invention called a continuous burner and heater; I engineered the Electrical starting mechanism to ignite the methane gas in the boiler, this was used in the sewage treatment plants.

"Post Office, South Africa"

Installation of PABX's for Private Businesses.

In conjunction with business customers, I Planned and Implemented the installation of telephone business exchanges in the Johannesburg area.

"Lieben, Maastricht"

Planning cables routes for Main Electrical Distribution and for local Telephone Networks.

British Forces**Oman.**

To Install/Maintain all the ground communication cables and equipment.

Hong Kong.

Where I worked as a fault controller, testing, supervising and recording all pol/mil communications. Training the Ghurkha Regiment technicians to take over till the handover to China.

Maastricht.

AFCENT (NATO) where I helped Supervise and Plan the Mobile communications.

Bruggen.

To Plan, Record, Develop new procedures, Inspect and Supervise all areas concerning the communications of the Airfield.