

Marc James Harris	Moi	Zzzzz	212 Princes Road Ellesmere Port CH65 4EH
		BzzBzz	07799123067
4siteonline@gmail.com	Ping	Debut	19th July 1974 in Chester, UK
juswrk.org	Whaar	Brum	Full - Clean

Experienced Project Engineer with Strong Electrical and Electronics Bias, 35 Years of installation & service works on roll outs and troubleshooting.

Currently Held – Most Used Quals & Certs

IPAF Scissor+Boom SMSTS FLT SEIRS SSSTS 2391 18th Edition SIA Asbestos CSCS

Areas of Particular Interest & Experienced in to-date from both an installation perspective and hands on management of trades consisting of new builds, extensions, refurbishments and retrofitting gained across the disciplines and sectors detailed below.

Estates Management	LED Projects	Electrical	Point of Sale	Solar	Retail Fixtures	Warehousing
Barriers & Cages	Contracting	Signage	Construction	CCTV	Fire Systems	Programming
Superstores	Healthcare	Industrial	Fencing	ESL	Racking	Hygiene Systems

Educational History

Sep 2024 - FLT Reach and Counter-balance NVQ

Aug 2024 - FAAW First Aid @ Work

May 2024 - DJT Electrical Training

2382 – 22 Certificate in the Requirements for Electrical Installations (BS 7671:2017) City & Guilds

Feb 2023 - SMSTS CITB

2010-2011 Wirral Met College – Twelve Quays

2330 Certificate in Electro Technical Technology

Qualification type: Vocational Level: 3 City & Guilds

2008-2010 West Cheshire College – Capenhurst Technology Centre

2330 Certificate in Electro Technical Technology

Qualification type: Vocational Level: 2 City & Guilds

2009-2010 Wirral Met College – Conway Park

2382 Certificate in the Requirements for Electrical Installations (BS 7671:2008)

Qualification type: Vocational Level: 3 City & Guilds

2009-2010 Centre for Alternative Technology – Machynlleth

2399 Solar Installation, Design & Verification

Qualification type: Vocational Level: 3 City & Guilds

2009-2010 Mailsail Training Liverpool

2391 -10 Inspection, Testing, Design and Certification of Electrical Installations

Qualification type: Vocational Level:3 City & Guilds

2392 Certificate in Fundamental Inspection, Testing and Initial Verification

Qualification type: Vocational Level: 2 City & Guilds

Regulations Course BS5839 Fire Alarms

Regulations Course BS5266 Emergency Lighting

2007-2010 West Cheshire College – Handbridge

Level 2 Web Design

Level 3 Advanced Websites

2006-2007 West Cheshire College – Blacon

Level 2 Spanish

1992-1993 Wirral Met College – Borough Road

1853 Certificate/Diploma in Knowledge of Electronic Security and Emergency

Systems Level:2 City & Guilds

1991-1992 Wray Castle College of Marine Technology – Ambleside

Electronic Principals and Transmission Systems

Level:2 Btec

1989 Helsby High School GCSE passes at grade A to C including CDT, English & Science

Area's of Competence

Electrical Installation

Lighting & Power
HVAC
3 Phase Machinery & Distribution
Industrial containment
Solar

Communication Systems

Optical communication systems. Single mode and Multimode
Microwave Links 1 way and bi direction links
IR Links
Satellite Broadband IP systems
Mobile transmission systems GSM 3G.
Wi-Fi Systems Implementation
PABX Installation

CCTV Systems

Analogue System Selection
IP System Design
Remote Site Monitoring Systems

Perimeter Detection Systems

Microwave Barriers,
Infra-Red Beams
External Passive
Dual Technology Sensors

Access Control and Time Keeping Systems

Multi site remote enrolment
Biometric Turnstile Systems Manufacture
Proximity swipe and code systems

Temporary Site Protection

Temporary Shutdown and re-fit surveillance Systems
In depth construction site security experience 300+ sites

Event Management

Responsibilities for the Paul McCartney concert in Kings Dock Liverpool included the delivery of all images– to Canning Place police control room, using a mixture of Coaxial and Microwave Tx/Rx.

Large Intruder Alarm Roll Outs and Inter-building Intercoms

Multi Tower Concierge Systems City Wide (Stockport and Birmingham)
Installations included Sainsbury's and Home base Expansion roll outs.

Backup power systems

Advanced Glass Matt Battery Systems
Marine / Solar Charge Controllers
Backup generator supplies

Warehousing Installations

HD Racking
Cantilever
Labelling
Box Rail
Corner Posts
High Security Cages

Retail Installations

Crowd control rails
Self serve tills
Gondolas and end bays
Bespoke Retail Fixtures
Hoarding Construction
Floor repair
Wall bays

Projects Undertaken

Knowsley Rail Freight Terminal Liverpool

Enjoyed working very closely with Mowlem engineering to deliver a site wide CCTV, Perimeter detection system and transport traffic management system. And possibly one of the wettest summers on record (probably doesn't fair well overtime)

Phoenix Chemicals Bromborough

Design specify and construct a Process monitoring system for viewing pressure vessels when individual operatives were not allowed to be present, due to dangerous chemical processes taking place, the installation also fell into the intrinsically safe category meaning as well as being a highly corrosive environment & also potentially explosive. We were also the first company in world to install Dedicated Micros V-Serve In return a full case study of the install was carried out.

BP Pipeline Azerbaijan Georgia

Engaged to design build & deliver an emergency monitoring system to aid inspection works up 500m inside the 42in diameter pipeline, whereby operators could check operatives condition in the pipe at distance and a two way emergency intercom facility was present at all times.

VibroLab Project

Designed & Constructed and test a dynamic balancing machine to check for unbalances on turbo rotor's, using lab view from national instruments to construct a programme to be released with the machine to the market place.

Mowlems M6 Bridge Repairs Preston.

Provision from concept to commissioning of a motorway surveillance system capable of tracking vehicles through 5km section of motorway with 10 cameras on fibre optic and twisted pair.

Tarmac M6 resurfacing Preston

Provision from concept to commissioning of a motorway surveillance system capable of tracking vehicles through 11km section of motorway with 61 cameras.

Edmund Nuttal M6 resurfacing Warrington

Provision of turnkey system for CCTV with electrical feeds and signals for cameras capable of tracking vehicles through 6.4km section of motorway with 46 cameras and the provision and running of the monitoring station.

Dowhigh M62 resurfacing Liverpool

Provision from concept to commissioning of a motorway surveillance system capable of tracking vehicles through 9km section of motorway with 64 cameras with full monitoring for the duration of the works.

AMEC M6 resurfacing Lancaster

Provision from concept to commissioning of a motorway surveillance system capable of tracking vehicles through 15km section of motorway with 72 Cameras.

British Telecom OBASS Operational Building Access and Security System

contracted on the Wales and West section to install the OBAS on every cat,3,4,5 BT building from Chester to Cornwall 140 Telephone exchanges altogether, in conjunction with Initial Shorrock, Bailey Telecom and Fujitsu.

Portakabin Electrical

Temporary three phase supplies and civils for schools in the northwest regional, could have been temporary classrooms or even POPUP surgeries for flood response to medical practices, every so often Polling Station Power provision by generator or fixed supply came up.

MAGASIN Copenhagen

Department store Concept installation of a construction based clothing sales floor with integral skate park, featuring exposed construction materials and resin castings with LED & lightbox features mixed with Neon signage and illuminated escalators.

Employment History

Juswrk limited 2022- Aug 2024 UK Based – [see clients](#)

Operations Manager for 27 M & E contractors on retail installation rollouts across 7 teams covering the UK, focusing on Sainsbury's, B & Q & Lidl on refurbishments of electrical, shelving, HD Racking, cantilever, pushback racking, and even Hygiene systems replacement on hospitals.

4SiteOnline - 2009 - 2022 UK Based – [see pics](#)

Online Retail Web Services & Industrial Electrical Contractor, heavy electrical bias towards retail for ASDA, Tesco, Apple UK & other retail clients together with commercial and industrial electrical installations.

June 2000 – 2009 Siteguard UK Ltd Ellesmere Port

Managing Director / Founder and led a company specializing in remote monitoring systems tailored for the construction rental market, covering hundreds of projects across the UK.

Image Systems May 2000 – 2009 Ellesmere Port

Proprietor Managing the installation and maintenance of comprehensive security systems for industrial clients, including utilities companies and large-scale manufacturing plants such as chipboard, gelatine, check valves & pharma. Delivered custom solutions and ongoing support, ensuring the highest standards of security and operational efficiency. also approved contractor to ADT undertaking Upgrade and major system work for Liverpool and Manchester branches.

Elite Video Systems Sept 98 – 2000 Warrington

Installation Manager where duties included overseeing the successful implementation of multi campus locations for Warrington collegiate, schools & numerous national account installations and large scale industrial complexes.

In-Phase Integrated June 92 Sept 98 Ellesmere Port

With the aid of prince's trust funding managed to start a small contracting business supplying sub contract labour to Modern Integrated Systems (Modern Alarms), ambassador alarms now Secom plc working between Manchester and Bradford branch.

Dodd's restaurant Sept 91 – June 92 Ambleside

Kitchen Assistant part time

Duties included helping prepare fresh produce and ensuring all dining and cooking equipment was spotlessly clean.

Cheshire Communications Ltd Feb 1989 – Sept 91 Warrington

Apprentice Security Engineer Warrington

Duties included the cabling of CCTV Systems for most of the Northwest and Midlands premiership football clubs, ensuring full system operability due to mandatory safety regulations. Clubs attended include Liverpool, Everton, Birmingham City, Wolves, Manchester United.

I was relied on for installations for prince's quay shopping centre, HP Chemicals, Manchester Ship Canal company, Breweries & bonded warehouses, together with transport and logistics companies.

Marc Harris

07799123067

4siteonline@gmail.com

site and job photos available [here](#)

more recent works available [here](#)