

COMPANY

PROFILE

February 2006



Practicable Network Solutions

Martello Communications & Construction Ltd

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Martello Communications & Construction Ltd

1. PROFILE

MCC Ltd provides a range of products and services to the telecommunications industry, primarily to fixed line and cellular telecommunication operators.

MCC Ltd was established in 1994 to provide cable installation service to the industry. Since then we have broadened our range of services, and now they range from supply of skilled operatives and equipment to providing a specialised equipment rental service to the fixed line and Wireless industry.

MCC Ltd retains the services of professional comm's engineers who have specialised in the industry for many years. This enables us to provide a wide range of services to our clients and we have the ability to undertake the most intricate aspects of network construction, 'the one off's'.

MCC's mission is to consistently provide a quality cost effective product on time, to the client.

We provide the following services;

Installation of Cable.

Internal Cable & Equipment Installation.

**Splicing of Copper, Coax &
Optical Fibre Cable.**

Cable & Equipment Sales.

Testing and Commissioning.

Civil Infrastructure Build.

Cellular Site Construction.

Company Information:

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CONSTRUCTION Ltd
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ISOQAR ISO 9001 – 2000, No. 5059/05

Martello Communications & Construction Ltd

2. Cable Installation

MCC Ltd is fully equipped to deal with short and long length cable and sub duct installation for either metallic or optical fibre cable.

The Rodding & Roping and Cabling functions are fully integrated to maximise productivity and performance. We will liaise with Police and local Authorities regarding Notices, Traffic Sensitive Streets, Pedestrian Access and other areas of public concern as and when they arise.

Cables can be drawn in using a conventional capstan winch or a specially designed large capstan installation & fleeting winch. Cables can also be blown in using a cable jet system.

We have the resource and ability to install cable internally at Customer Premises, Exchanges, POP sites, Telehouse and Co-Location buildings; this includes cat5 cable as well as screened twisted pair and SM MM fibre.

3. Cable Splicing & Terminating

For copper based cables **MCC Ltd** have experience in dealing with all sizes and types of cable including co-axial, carrier and local loop cables. We have the ability to undertake live changeover work both in joints and cabinets plus MDF consolidation or replacement.

On Optical Fibre Routes our engineers have been splicing Optical fibre since the technique commenced. This has ranged from BT Trunk & Junction routes through to the latest inter city and inter building projects.

Our staff have worked on multi-mode and single-mode fibre Cables from 4 fibres loose tube to 960 fibre ribbon cable.

We provide Termination service including installation of ODF's, OFF's DDF's and BFP's, running of jumper and cross connection cables.

4. Cable Testing & Commissioning

a) Copper Cable

All our Engineers are capable of carrying out the full range of electrical tests for copper access networks, Cat 5 LAN's and Coaxial cables. We have available the most up to date electronic equipment, ideal for commissioning & testing suitable analogue & digital subscribers loops, like telephone lines, modem circuits, DDS, ISN, ADSL, HDSL, ISDN, and XDSL, in addition to the standard resistance, and insulation measurement capability.

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Cable Testing & Commissioning (cont'd)

b) Optical Fibre Cable

Our Optical Test Engineers are equipped with a range of modern test instruments enabling them to carry out ILM tests on Multi mode & Single mode cable at wavelengths ranging from 850nm to 1625nm, OTDR traces can be stored and analysed on hard and soft copy.

With the ever increasing need for broadband networks, **MCC** have available state of the art equipment to carry out Chromatic Dispersion and Polarisation Mode Dispersion (PMD) tests to a dynamic range of 57dB, enabling us look at links up to 200km.

5. Civil Engineering

MCC Ltd has available experienced Civil Construction resource to Install Network Infrastructure for Telecom Companies throughout the UK. We have the expertise to construct metropolitan area and trunk route schemes. Our Teams have completed intricate one off customer connections and are expert at reinstating modular and cobble surfaces. In recent years we have been awarded the 'Considerate Contractors Gold Award' in the City of London for the work carried out.

6. Cellular Site Construction

MCC has a wide experience in the construction of Micro, Macro and Smartcell sites on new and existing Greenfield and Brownfield locations, we are commended for our street furniture & equipment installation. MCC have constructed sites for up to 30 metre towers, we have specialist in-house gangs experienced with all aspects of cellular site construction.

Our teams have experience in constructing ILA's (Inline Amplifier Sites) for fixed line network operators. MCC has played active roles in the design & construction of ILA sites between London and the Coast for various pan European operators.

7. Internal Equipment & Cable Installation & Termination

MCC has at their disposal experienced cabling technicians to install a number of voice & data systems. We are fluent in the installation of Cat 5/5e & 6 cable infrastructure in Technology and Financial centres. We have many years of experience in this field and are used to delivering to tight timescales and within budget.

MCC have installed and terminated PSAX Equipment and Cabinets in Cellular BTS's and DMSU's. through out the UK we also install MDF's, DDF's, IDF's and cage cabling with the network equipment.

MCC has the ability to install the following materials/products:

| | |
|---------------------|--------------------------|
| Optical Fibre Cable | Copper Cable |
| Single Mode & | Un-Shielded Twisted Pair |
| Multi Mode | Shielded Twisted Pair |
| | Category 5/6 |
| | CoAx. |

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8. HEALTH & SAFETY POLICY

It is the Company Policy to ensure that work carried out by employees is in accordance with the relevant statutory provisions and that reasonably practicable measures are taken to ensure the safety of its employees and others.

The safety objectives of the Company are to reduce the severity and frequency of accidents by accident prevention.

9. ENVIRONMENTAL POLICY

All work undertaken by MCC Ltd and its impact upon the environment is one of a vital concern to every member of the company.

It is through our commitment to the environment that every person working on behalf of the company has a responsibility to preserve and protect the environment around them.

10. QUALITY POLICY

MCC Ltd aims to offer to its customers a quality product at a cost effective price.

To be the customer's first choice.

To ensure everyone complies with the standards & methods for the task in hand while consistently trying to improve on them.

Gerard O'Sullivan

**Gerard O'Sullivan
Managing Director, MCC Ltd.**