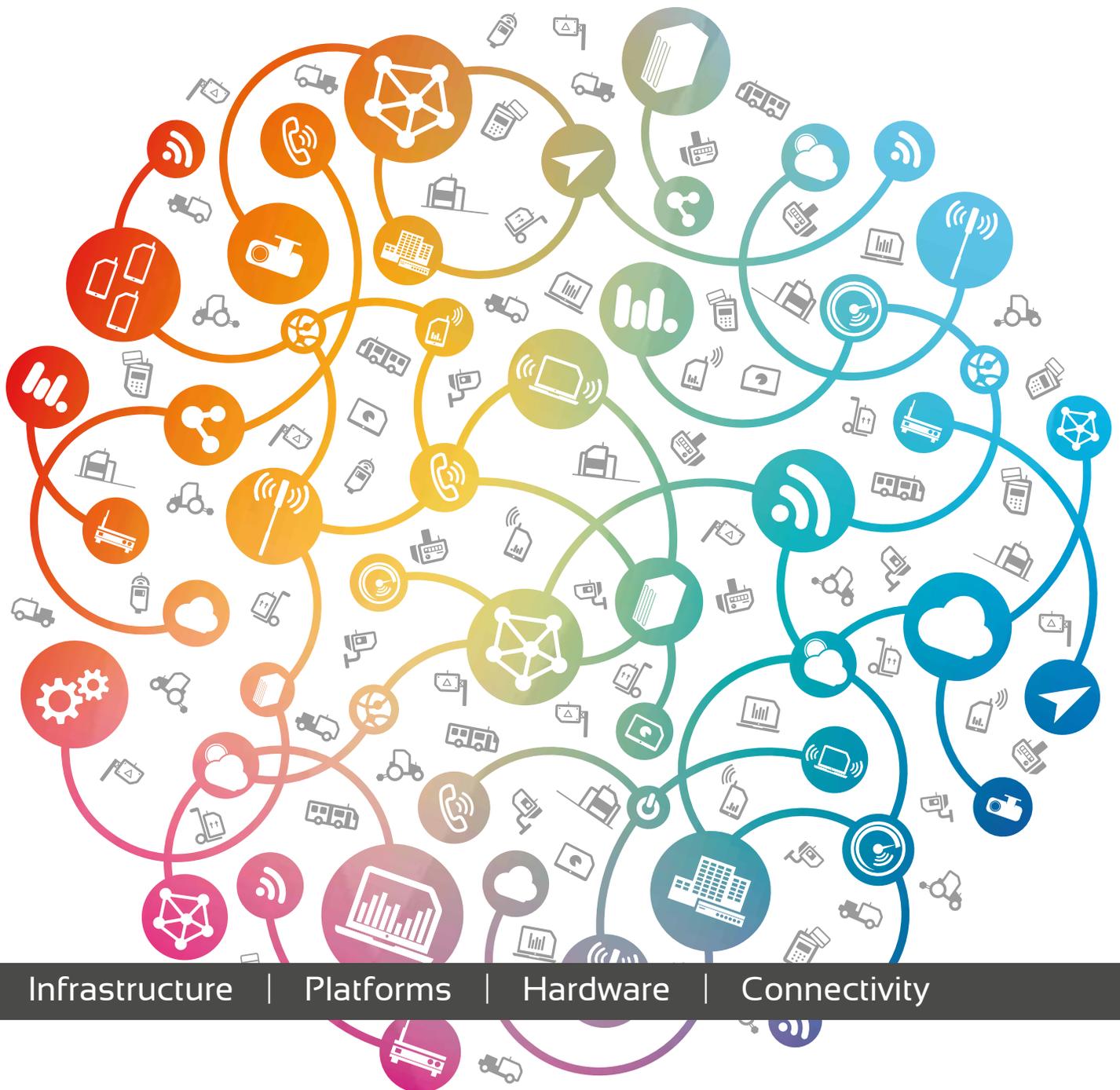


Connecting millions of things... across the world

M2M & IoT Managed Services



Infrastructure | Platforms | Hardware | Connectivity

Today, global business is embracing the advances of M2M & IoT technology.

The impact is ever present. Very soon, every one of us will be responsible for at least 10 connected devices - securing and controlling your home, tracking your driverless car, monitoring the performance of your valuable assets and so much more. 'The Internet of Things' is here. And it's growing.

Resilient connectivity and related managed services are key to keeping machines and devices in touch - whether across mobile networks, fixed line, low power radio networks or satellite. In every scenario, Wireless Logic can help you connect and communicate - with everything.

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Welcome

Wireless Logic Group is Europe's leading M2M/IoT managed services provider, delivering one-stop solutions that combine secure infrastructure, resilient control platforms and multiple bearer connectivity.

Working in partnership with a range of bearer services, we provide best-in-class managed services to system integrators, application providers and end user clients - from global blue chip organisations to small and medium enterprises. Fundamental to our success is an inherent ability to develop and deliver tailored Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) solutions. These are designed to meet the needs of an ever-demanding and evolving market where reliability, cost-effectiveness, SLAs and sector knowledge are vital.

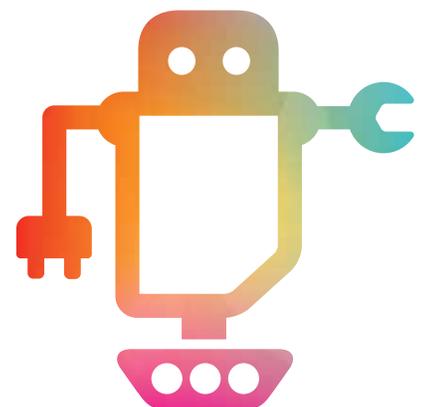
In just a short time, Wireless Logic has become globally recognised as well as preferred partner to many of the world's Mobile Network Operators (MNOs) delivering a critically important layer between mobile networks and

organisations requiring a dedicated M2M/IoT managed services solution. Today, Wireless Logic's proposition is a finely-tuned set of value-added services where resilient connectivity is but one of many facets within the customer offering. Our connectivity options include cellular, fixed line, low power radio and satellite.

The Group has over 30 strategic mobile network partnerships with reach to over 250 global networks. This is unrivalled within the managed services sector.

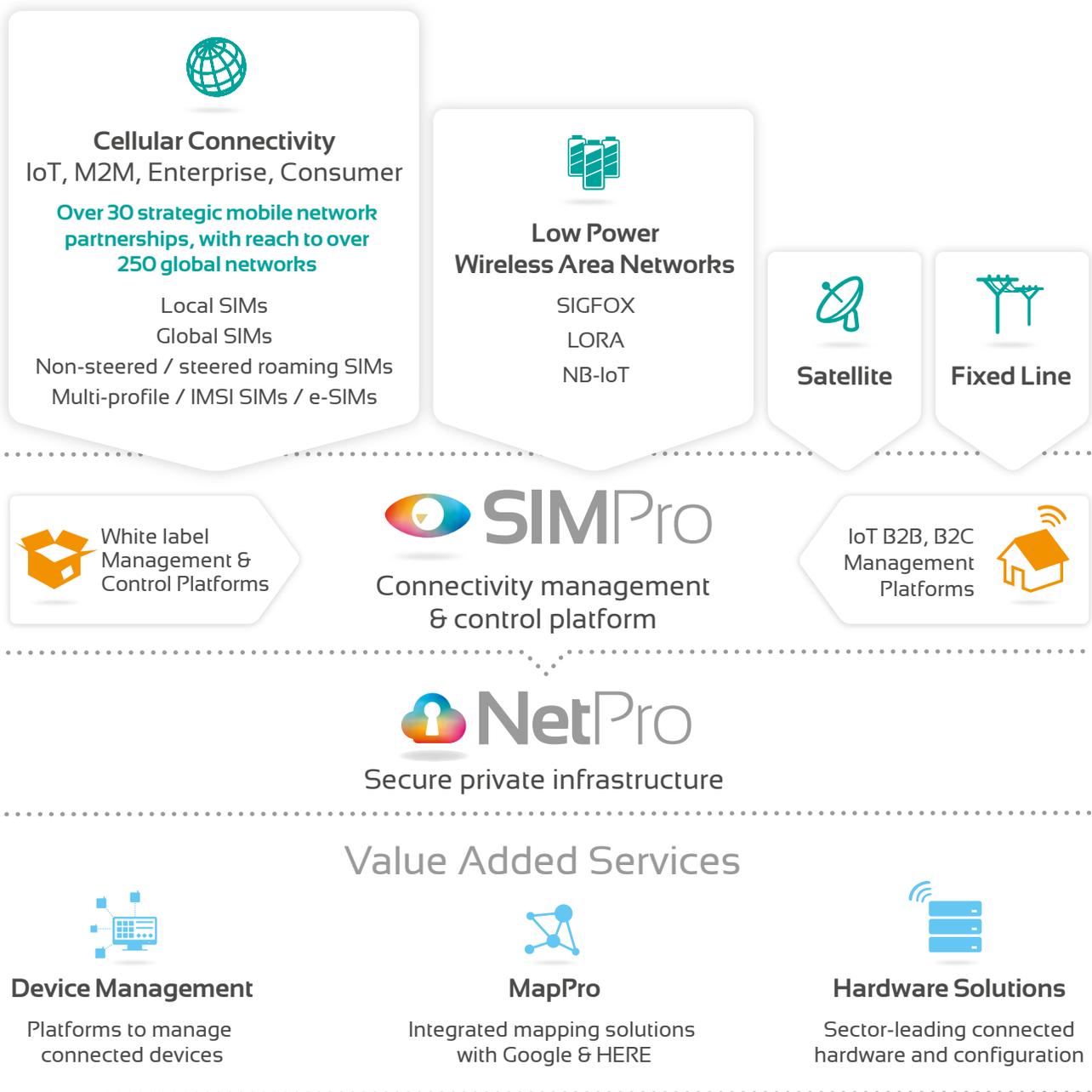
We are pushing the boundaries as the market evolves - providing managed services, connectivity and related solutions to millions of devices.

Wireless Logic is a ISO 9001 Quality Management certified organisation.



The Eco-system of Wireless Logic

Multiple connectivity solutions supported by market-leading specialist consultancy and unrivalled strategic partnerships.



Connecting assets and devices securely is at the core of Wireless Logic's Managed services. Our platforms place users and their applications on the best and most appropriate networks.

As preferred M2M/IoT partner to all of the European-based major Mobile Network Operators (MNO's), we have direct access to the innermost workings of the networks. Technical challenges are addressed efficiently and, as a consequence of our growing subscription base, purchasing power enables us to command highly competitive pricing, Service Level Agreements (SLAs) are agreed to suit our customers, and we can enjoy an ongoing insight into network developments affecting the M2M & IoT global space.

Secure infrastructure

Our principle USP is an ability to overlay a private secure network across the global mobile networks to give customers access to an otherwise high-cost and complex infrastructure. Known as NetPro, it has transformed organisations' capabilities in deploying secure and resilient network structures with no CAPEX, stringent SLAs and the important ability to fix IPs to each mobile device.

Complete control

To make sure that customers' M2M/IoT assets remain in their control, Wireless Logic's SIMPro is now utilised by over 95% of our users - giving them complete visibility, management, tailored billing and reporting functions across entire SIM estates, regardless of mobile network.

Innovation and value

Maintaining Wireless Logic's market-leading presence requires a constant lookout for value-added services that can continue to set our customer solutions apart from others. The organisation is structured to capitalise on new products and services with research and development teams all based in-house. We also work closely with many external partners to develop solutions that maintain Wireless Logic's position at the forefront of the connected world.

Our partners

Mobile, fixed line, low power and satellite networks are the vital elements to enabling the Wireless Logic platforms to connect devices. Our close relationships with the major network operators give us a distinct edge - in customer service terms and in value throughout the connectivity chain. These partnerships give Wireless Logic the best possible business terms and service agreements - both of which are integral to the customer propositions. Wireless Logic cuts through the minefields of corporate structure within networks - we get answers fast, solutions developed, and flexibility that is unrivalled within the market.

Additionally, we work with a growing number of other technology and value-add partners that enhance the managed services Wireless Logic delivers.

Low power connectivity

As the UK's lead partner for the SIGFOX low power wide area network, we collaborate closely with Arqiva which delivers the SIGFOX technology across its country-wide infrastructure.

World-class mapping

For mapping and location-based application's, Wireless Logic works with Google and HERE, where we deliver Integrated connectivity and mapping solutions, all rolled up into manageable monthly packages. As a recognised OEM partner of Google and a key strategic partner with HERE, the Wireless Logic partnerships have quickly developed to connect hundreds of thousands of devices where mapping is an integral part of the devices' functionality.

Connectivity Solutions

Airtime - finding the right solution

Selecting the right network, service and tariff should all be predicated on the applications' communication and connectivity needs. Choosing the appropriate network will depend on a number of factors from location to data usage, whether the device is static, mobile, national or international. And consideration to the importance of 'always on' which can be critical for applications such as lone workers. With this information, we can propose suitable networks and tariffs along with contract periods designed to meet the time period of the project.

Forecasting data usage is vital to ensure the minimisation of 'overage'. Location-wise, Wireless Logic utilise a number of tools to ensure the 'best fit' network for the application. In country-wide roll outs, deployments will regularly use a number of networks within their SIM estate. Importantly, each network will sit comfortably within the SIMPro platform, where complete visibility, monitoring and control can be managed for the entire SIM portfolio, across multiple networks.

As the market evolves, connectivity management is becoming a key focus in terms of business value. The science of application vs network selection is an important part of the Wireless Logic 'value-add' - the right choice can enable considerable savings over the life of a deployment. SIMs can be distributed to customers pre-provisioned or dormant. Self-provisioning via SIMPro gives users complete control, ensuring connectivity is only paid for once the application is ready to go live.

Global SIMs

Dependent upon the required application, Wireless Logic have a number of Global SIM solutions, enabling a 'one SIM fits all' deployment based upon location or usage. With all global SIM solutions, recommendations can be made re the roaming options, with users being able to specify choice of preferred secondary networks. As part of the connectivity appraisal, the Wireless Logic account management team will discuss a range of factors that will ultimately influence final choice of SIM and network. Options will enable informed decisions that can result in empowering customers to utilise a solution that delivers realistic affordability and effective connectivity.

Multi IMSI Connectivity

A new and important evolution within the cellular market place is the introduction of Multi IMSI SIMs. (International Mobile Subscriber Identity). Designed for applications that cannot be beholden to one or more networks, Multi IMSI SIMs are now available where users can select and implement a mobile provider to the location of their choice. With the Multi IMSI proposition remote access to the SIM now means application developers can introduce new degrees of flexibility, avoiding such key issues including network outages or blackspots nationally and internationally.

Available in a range of formats (SIM card, micro SIM card or embedded SIM), the Multi IMSI SIM is ideal for applications where final location of the device is unknown at point of manufacturer. Consequently for OEM organisations that may deploy their connected devices anywhere in the world and that require a one-stop long-life connectivity solution with the ability to re-profile at any point in the future, Multi IMSI is the solution to consider.



Aggregation

SIM usage aggregation enables customers to keep a strong hold on airtime costs, with aggregated models on both same network and multiple networks, based upon same data usage monthly tariffs. Wireless Logic can develop tailored plans that enable users to spread data liability, thus delivering defined cost-control across variable data usage SIM estates.

Satellite connectivity

Working in partnership with Inmarsat, Wireless Logic's global connectivity solutions can deliver 'out of reach' mobile network coverage via Inmarsat's BGAN. The solution delivers voice and broadband data connectivity to users wherever they are on the planet. BGAN is designed for simplicity and ease of use. No specialist technical expertise is required to set up and use it. It's easy to manage costs as customers can track service usage and charges in real-time. Satellite connectivity delivers no compatibility issues with local telecoms networks because users and devices connect directly to the Inmarsat satellite network, regardless of location.

Wireless Logic's partnership with Inmarsat enables users to have a seamless global solution that covers remote land and sea locations. Integrated billing will be able to deliver ease of management with satellite and mobile subscriptions controlled through SIMPro.

Low power radio connectivity - delivered across the SIGFOX network by Arqiva

SIGFOX is the UK's newest network providing low-cost and low power connectivity for IoT applications. The Low Power Wide Area Network (LPWAN) enables batteries and equipment to last longer, avoiding the cost and inconvenience of replacing devices. This massively expands the range of IoT devices that can be connected, increasing the benefits to consumers and businesses alike. SIGFOX will now allow large scale IoT applications previously limited by cost to become a reality.

Wireless Logic is the SIGFOX/Arqiva partner for the UK.

How we work

Working with Wireless Logic

M2M & IoT managed services, airtime subscriptions and supporting bolt-on services all form a vital cog in the wheel of customers' applications, locally and globally. With continuing focus on finances, Wireless Logic's drive to deliver best value at all times is a prerequisite in our business delivery. Consequently, account management teams hold regular reviews on contracts keeping customers up to speed with tariff and financial developments likely to affect their own subscriptions. Transparency, regular communication and financial stability are all key components to successful relationships nurtured with Wireless Logic customers.

Revenue Share

Wireless Logic can provide revenue share programmes when working with application developers and system integrators. End-users continue with a single source delivery whilst benefiting from the financial advantage by their provider selecting Wireless Logic. Revenue share programmes deliver income to the developer/integrator to create a seamless channel of income without affecting customer ownership.

Client Management

For every customer, regardless of size, there is a client services structure designed to meet and surpass their needs. Wireless Logic's business development teams have unrivalled vertical and horizontal sector experience enabling them to advise across multiple industries and applications. To support ongoing relationships, account management and customer service teams focus on the day to day needs of customers. All customer-focused service delivery is measured against agreed SLAs.

Technology, Research and Development

Wireless Logic's Technology team is led by a Chief Technology Officer and supported by a growing number of specialists. Their roles focus on the continuing evolution of our platforms and network structures, and to support customers in implementation and roll-out programmes.

Service Level Agreements

We pride ourselves in delivering a service that is seamless, reliable and efficient. It is therefore essential that the levels of service which we believe are right for the sector should be set out in formal Service Level Agreements (SLAs). Whilst the majority of agreements are similar across our growing customer base, each one is tailored to the precise requirements of a specific customer.

Our quality and customer service are continually audited with a drive to get it right first time, every time. Wireless Logic is a ISO 9001 Quality Management certified organisation.

European presence

Wireless Logic's European Head Office is located in Hurley, Berkshire. From here, business development, customer account management, technology R & D and the main directorate are based. Secure offsite Data Centres are co-located in two strategic locations in London.

The group has four country offices located in Aix-en-Provence, France; Grassbrunn, Germany, Vizcaya, Spain and Køge, Denmark. Each location is headed up by a country manager along with business development teams and tech support.



Sector Specialists

Within the space of M2M & IoT managed services, a successful provider must have specific knowledge, hands-on experience and sound expertise to work with customers and their developers.

Wireless Logic has specialists who bring direct experience within their respective fields. Consequently, whether it's e-health, telematics, EPOS or asset tracking, customers are bound to meet a Wireless Logic executive who can understand the specific needs of the application.

Security

CCTV
Intruder alarms
Door entry systems

Fleet

Fleet management
Vehicle tracking
Route tracking
Status monitoring
Telemetry
Driver behaviour
Mobile insurance

Monitoring and metering

Environmental monitoring
Service metering

Remote worker

Fieldforce automation
Lone worker applications

Agriculture

Event monitoring
Remote sensor monitoring
Crop optimisation

Retailing

Display boards
EPOS
Footfall monitoring
Voucher redemption

Transport

Road signage
Traffic monitoring

Healthcare

Telecare
Telehealth
Assisted Living
Patient record outcomes
Remote health monitoring

Enterprise

ADSL replacement/
back-up

Connecting millions of things...





SIMPro is Wireless Logic's SIM management and control platform. It is the engine behind users' complete visibility, control, billing and management of SIM estates, regardless of mobile network.

Designed to view the activity of large SIM estates, SIMPro has evolved across a number of versions to now deliver an increased user experience.

As a standalone platform with APIs, the majority of Wireless Logic's customers now utilise SIMPro as part of their daily management of their M2M/IoT activity. Accessed over the cloud, there is no requirement for software downloads, yet, security is 100% with multi-level access.

Key to SIMPro is its ability to deliver real-time reporting, accessed at all times, from anywhere. SIMPro is available to all customers who have SIM subscriptions with Wireless Logic and forms part of our value-based managed services. Additionally, the benefits of SIMPro are available to users who

have contracted SIMs elsewhere and are not able to connect via Wireless Logic. In this case, a license can be arranged on a per SIM basis. Users can place their entire SIM estate, regardless of network, and view/manage through one window.

Real-time monitoring via SIMPro negates 'bill shock' with tariffs able to be modified as and when the applications' usage patterns are recognised if different from the original forecasting. Alerts can be set-up to pre-warn users of SIMs that exceed their authorised usage levels.

Another main feature within SIMPro is BILLPro - this enables users to view detailed billing of their SIM estate with tools to 'drill down' on a per SIM basis.

With SIMPro - users are in complete control...

User friendly

- > Industry-leading customer-centric Dashboard with customisable features
- > Multi-level access rights with dynamic security features

Tailored operational settings

- > Customise activation, group and tariff profiles - assign tariffs, group your SIMs, and SIM settings to specific device uses
- > Data synchronisation and request management via multiple APIs
- > Integrate with Google and HERE mapping platforms

Management, control and communication

- > Directly activate and suspend SIMs
- > Optimise the performance of SIMs - monitor data usage to ensure the right tariff is selected - and thus avoid 'Bill shock'*
- > SIMswap - act immediately if a SIM is lost or stolen
- > Communicate two-way with multiple network SMS aggregation tool
- > Specify key requirements e.g. International roaming or voice

One platform for visibility and control to over 30 strategic mobile network partnerships with reach to over 250 global networks



Visibility & reporting

- > Realtime usage visibility* and alerts for SMS and voice
- > Enhanced search facility using multiple SIM profiles
- > View current tariffs on a per SIM basis
- > Track the activation process using SIMPro's notification system
- > Produce and download tailored reports
- > View and download billing via BillPro

Training & support

- > Streamlined and efficient support raising and resolution
- > Online, telephone and face-to-face training available

* When used with NetPro



... putting you in control of your connected assets



Wireless Logic's secure and resilient private network connecting mobile devices and assets across the cloud.

NetPro is Wireless Logic's carrier-grade secure, fast and reliable private network. It delivers a cost-effective alternative to organisations that want to avoid major investment in their own IT architecture, leased lines and associated support costs.

NetPro has co-located TIER 1 data centres in two London locations to deliver secure and resilient private network capability with fully redundant interconnects. NetPro connects via dedicated hubs directly into each of our major network partners utilising APN gateways and RADIUS servers. As part of NetPro, Wireless Logic has developed ONEapn, (WLAPN.COM) a single point APN which is common to several networks. This is particularly relevant when multiple devices are being connected though choice of network is not known.

Enabling fixed IP

NetPro applies fixed IP addressing to mobile devices to enable secure routing from Wireless Logic's infrastructure to the remote user's LAN. NetPro's ability to deploy a fixed IP to a module enables a device to be passive in communications - a user

can securely retrieve data from a machine instead of relying on it to be sent, and send two-way instructions that remain secure at every part of the data's passage. This approach has great advantages in the M2M/IoT world from a cost and infrastructure perspective, with no CAPEX required to be part of a resilient private network.

Infrastructure-as-a-Service

NetPro is also available to users already contracted with mobile networks and that are not subscribed via Wireless Logic. In this way NetPro can be overlaid onto a customer's current connectivity with data routing managed through NetPro with all benefits derived. The process to install the private network infrastructure is painfree and rapid in comparison to the cost and expectations of setting up a new private network and support system.

NetPro is chargeable on a per SIM basis for Wireless Logic subscribers and on a license basis for users wanting to sit their SIM estate connected independently.

NetPro features

- > Carrier-grade, fully redundant infrastructure
- > Minimal upfront costs and a fixed-fee per user per month thereafter
- > Reduced Total Cost of Ownership reduced
- > 24.7 in-house technical support
- > 'Tier 1' Co-location data centres
- > Static IP - all Networks and all locations
- > Secure Radius authentication
- > Integration to many back-end systems
- > One APN: Same infrastructure and APN for multiple applications - WLAPN.COM
- > Real-time data monitoring
- > IPSEC 3DES VPN encryption & termination
- > Adheres to customers' security policies and firewall, security protocols and encryption
- > Scalable to an unlimited number of devices
- > Flexibility - don't have to subscribe to connectivity through Wireless Logic

Connected devices and assets



Airtime

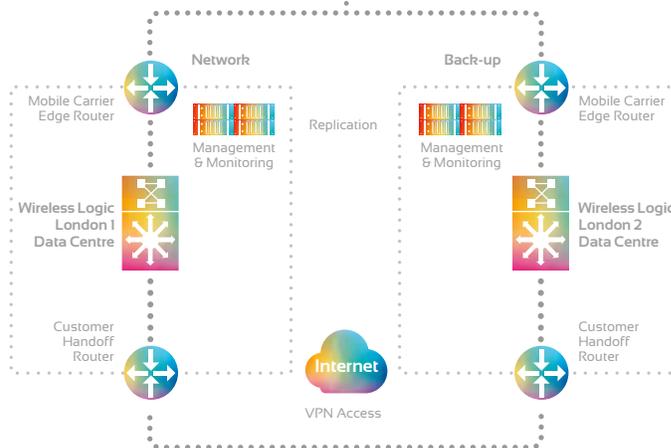


Airtime & Smart SIM

Over 30 strategic mobile network partnerships with reach to over 250 global networks



NetPro
Reliability & Security
IaaS



Our Customers



SIMPro
Visibility & Control
PaaS



Mapping and location-based platform

Supported by the power of Google and HERE mapping.

MapPro is Wireless Logic's mapping and geo-location platform that delivers the next generation of maps and location experiences across any screen and operating system.

Combining the skillsets and resource of two leading mapping providers Google and HERE and the unrivalled offerings of M2M/IoT connectivity and supporting value-add of Wireless Logic, MapPro delivers a mapping and mobile proposition that is being implemented across the UK and Europe.

Low cost of entry

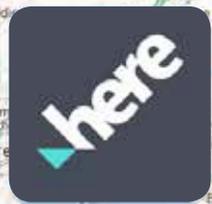
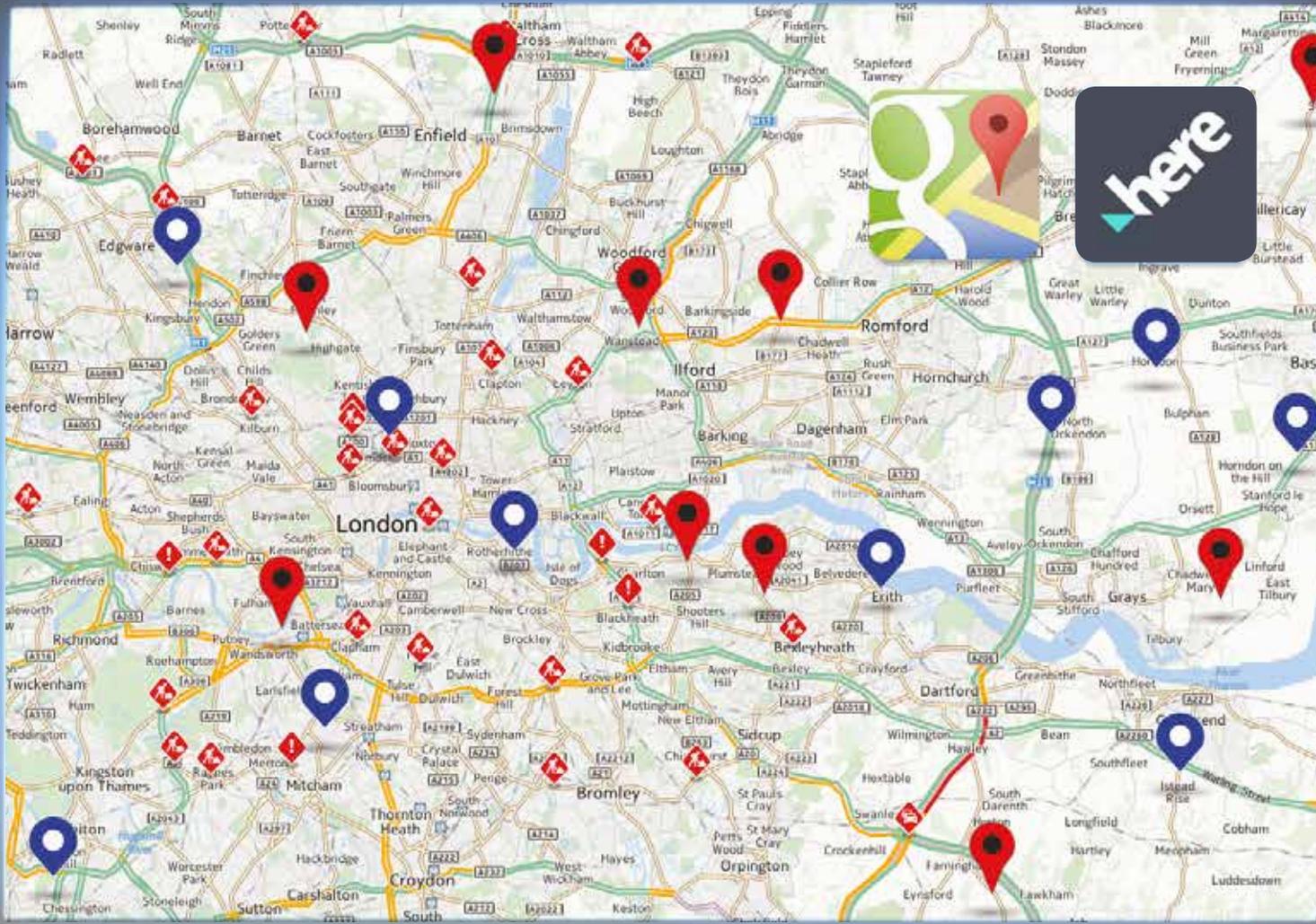
Until now, access to the world's leading mapping platforms has been limited to organisations capable of outlaying significant licensing fees with high minimum usage tariffs and accompanying set-up costs. Through collaboration with Wireless Logic, Google maps and the HERE location platform are now accessible to all organisations, with ultra-low cost of entry. Access to these location-based services and applications is now

possible without heavy up-front capital expenditure - by rolling up monthly fees and SIM connectivity subscriptions, Wireless Logic can deliver world-class mapping solutions in a single competitive monthly cost. No CAPEX, just OPEX.

As a Google OEM Partner and a strategic partner to HERE, MapPro is now available to developers, Application Service Providers and organisations directly involved in the use and deployment of mapping and location-based services.

Benefits at a glance

- > The world's leading Global Mapping Platforms now available to organisations and users of all sizes
- > Low cost of entry
- > Supported by experts
- > Innovative financial models linked to monthly M2M/IoT SIM contracts
- > No impact on CAPEX



Connected Hardware Solutions

End-to-end solutions, with market-leading hardware and high-speed connectivity

Connected Hardware Solutions from Wireless Logic delivers out-of-the-box, end-to-end mobile broadband solutions including hardware and 3G/4G connectivity. We address a broad range of needs, covering those served traditionally by both fixed and mobile offerings.

- > **ADSL Alternative** - Optimum coverage for any location with DSL speeds and fast and simple installation
- > **Business Continuity/ADSL** - ADSL failover for mission-critical applications
- > **Rapid Deployment** - Quick installation for urgent connectivity at temporary sites
- > **Mobile/Vehicular** - Optimised vehicular solutions offering in-vehicle hot-spot and mobile application connectivity

Our range of connected hardware solutions are each tailored to the application in hand. So whatever your sector, including retail, enterprise, transport, health or perhaps metering, we will have a broadband solution to ensure the most resilient connectivity that is cost-effective, fit for purpose and future proofed.

The right hardware for your application

From the most industrial environments requiring a ruggedised solution, to more enterprise and office-based settings, we can match the hardware to the application. In addition to our end-to-end solutions, we can also provide Value Added Services to enhance applications. Many of our hardware platforms support Device Management capability,

offering comprehensive capability which reduces the requirement for site visits to field-based devices, resulting in large potential savings. Example Device Management service offering includes:

- > Enrolment and activation
- > Device diagnosis
- > Monitoring and alerting
- > Reporting and analytics



More brands available

One support service for the entire solution

Wireless Logic offers an industry leading support capability for our range of connected hardware solutions. No longer do customers have to navigate the support services of different suppliers, unsure as to whether the problem is in the hardware or the connection. A single contact point within Wireless Logic ensures any customer issues are efficiently resolved.

Hardware, broadband connectivity and expert service...



Mobile data packages

Bundle data, choice of ALL networks



Tailored hardware solution

Leading brands for all applications



Ready to work

Configured, tested, LIVE



Device management

Remote diagnostics, alerting - optional bolt-on service



Support

Experts on hand, SLAs in place. One point of contact for hardware AND connectivity



VPN/Security solutions

Access our secure OPEX-based networks



SIM Management

Manage, control & reporting your SIMs



Billing

Monitor and control your costs



Cost-efficient

Avoid the hefty costs and timeframes of ADSL set-up

Typical Connected Hardware Solutions include:

- > Carrier/data package
- > Tailored hardware solution
- > Configuration and testing
- > Optional device management
- > Support services
- > VPN/Security package
- > SIM Management
- > Billing

Enterprise Solutions

Flexible working. It's now the de facto way to work, enabling people and organisations to work anytime, anywhere. But with flexibility comes challenges - keeping communications and BYOD safe, secure and connected.

M2M thinking taken to the enterprise market

Wireless Logic has taken the principles of secure M2M & IoT connectivity and applied our network overlay IaaS NetPro across the mobile networks. The result - a private infrastructure that dovetails into organisations' LANs to deliver end to end secure two-way communications with mobile devices of all kinds. NetPro delivers a resilient VPN that takes away the need for major investment in custom mobile VPNs. And it enables highly secure connectivity, with private fixed/static-IP so that devices can talk freely, with reduced levels of authentication.

In essence, as a VPN Client, NetPro is virtual in the truest sense of the word - cloud based, no security token required, and with absolutely minimal set-up time when applied into any client's existing infrastructure. Enterprise solutions are not just limited to one type of device - whether it's a PDA, tablet, e-health device or tracking unit, NetPro is device-agnostic - empowering organisations to host multiple business applications across one secure interconnect platform, utilising one or many mobile networks.

Monitoring

Monitoring the data usage, performance and tariff of every device are all managed by SIMPro - an organisation can enjoy complete 360° real-time visibility through one window, for every SIM-enabled device regardless of location or network. Devices can be provisioned when customers want, not at the behest of a mobile network - a simple click and provisioning will take place in 24 hours or less - across multiple networks. Rogue usage or out of control devices can be switched off or re-provisioned remotely following online alerts.

Wireless Logic enterprise solutions will typically increase reliability and uptime of SIM connectivity to 99.79%. NetPro's firmware receives seamless updates, and the SIMPro user platform continually evolves to remain industry leading throughout our many territories. In addition, geographic location management allows organisations to geo-fence devices to reduce potential roaming costs on specific tariffs.

**Ready to talk about M2M/IoT
Connectivity Solutions?**

Call us today on 0330 056 3300

Established in 1999, The Wireless Logic Group is owned and managed by the founding Directors in conjunction with CVC Capital Partners.

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