

HOSPITAL SOLUTIONS



30 Years.
1000 Installations.

miracle-electronics.com



YOUR SOLUTION

Miracle Electronics design, manufacture and install off-the-shelf and customized Nurse Call and Emergency Call Solutions in hospitals throughout New Zealand and Australia.

With 30 years of product development, in-house R&D and manufacturing capability, Miracle is very well positioned to truly customize a solution to give you exactly what you want, fast and cost-effectively.

We understand the ever-increasing importance of workflow and smooth integration with other technologies. Accordingly, we use a solutions-based approach to help automate processes and integrate your critical communications with other technologies to help you find efficiencies, optimise resources, manage risk and save cost. And with the additional need for mobility, we have a range of options available for tablets and mobile phones so staff have access to critical communications no matter where they are or what they are doing.

Your Miracle solution will also have the flexibility to facilitate alterations, extensions, upgrades and enhancements to accommodate the changing requirements of your organisation.

Organisations that use a Miracle solution include:

- > Capital & Coast DHB
- > South Canterbury
- > Hutt Valley DHB
- > Whanganui DHB
- > Waikato DHB
- > Canterbury DHB
- > Wairarapa DHB
- > Nelson Marlborough DHB
- > Westcoast DHB

WHY MIRACLE?

We are a full solution provider. This means we consult with you every step of the way to find the best possible solution to fit your organisation and the way you work.

Every hospital has its individual needs, and we work with you to determine yours. We then scope, design, manufacture, install and commission to ensure you get exactly the right solution, on budget, on time.

We work closely with the architects, consultants and contractors engaged on your project to ensure effective communication and a smooth implementation process.

Once installed, we provide ongoing support and maintenance so that your solution continues to meet your needs, and evolves as you evolve.

So, why miracle?...

- › All solutions are designed, developed and manufactured in New Zealand
- › We have been an industry leader for 30 years
- › Innovative and forward-thinking, we have an in-house development team to remain at the cutting edge of technological advances
- › We provide peace of mind through local technical support and locally held parts
- › Remote access to allows technicians to dial in to provide fault resolution and assistance from any location 24/7 - reducing your cost while providing a faster response
- › We are flexible and adaptable - systems can be changed or enhanced as your hospital's needs change
- › You will always receive professional and effective service, support, and communication



OUR SYSTEMS

Miracle employs sophisticated technologies to provide reliable, easy to use Nurse Call and critical communications and messaging systems which can be tailored to the needs of any healthcare organization.

Secure, self-checking wired and wireless solutions are easily extendable and provide flexible configuration possibilities to accommodate growth and change.

Miracle's technology integrates with more than 60 other Nurse Call systems, allowing you to upgrade your site in stages, manage your budget and receive the benefits of a modern Nurse Call system while, at all times, retaining a seamless Nurse Call system site-wide.

Our integration capability allows Nurse Call, Security, Communications, Electronic Care Management, E-Medication Management, Building Management Systems, Clinical Alarms, Real-time Location Systems and Messaging Alert devices to work together to enhance workflow, achieve efficiencies, optimise resources and manage risk.



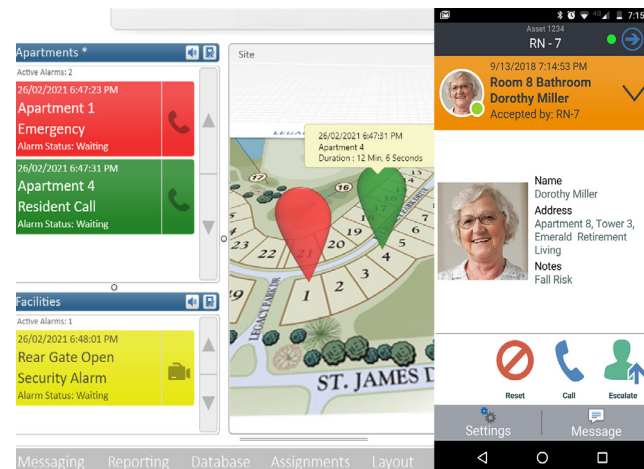
CARECALL SYSTEM

A sophisticated, flexible and cost-effective emergency call system.

CareCall 3 is an Emergency Call System that can be tailored to meet the needs of any healthcare facility.

The versatile, expandable infrastructure permits future changes and additions to the system. The Angel 'head-end' allows interconnection with other services on site such as the Fire, Security, DECT phones, Pagers Systems etc.

Angel also provides full logging and reporting functions, and remote access to the system by Miracle engineers. CallCare 3 also complies with AS 3811:1998 'Hard wired patient alarm systems'.



CareCall Key Functionality:

Call Points

Large colour-coded back-lit buttons with LED reassurance.

Easily cleaned anti-microbial with no seams or depressions to reduce spread of infection. Multiple call types include: Patient, Staff Assist, Emergency, and Nurse Presence.

Infotainment Handsets

Stylish remote units which incorporate the functions of a resident call button, light controller and TV remote.

Bed-Exit Technology

Movement sensors integrate with Nurse Call to help prevent falls.



CareCall provides effective management with an audit trail of calls and activity via easy-to-use, preset or customised reporting functionality.

Workflow

At the push of a button you can order a transfer, room clean or other service to help streamline operations.

Notification Options

An extensive range of notification options include: pager, DECT and smartphones, tablets and overhead displays via messaging, voice and email.

Rostering

Allocate specific calls to specific staff, at specific times, for increased flexibility.

Escalation

Calls not answered within preset parameters can be auto-escalated by text, voice or email.

Call Forwarding

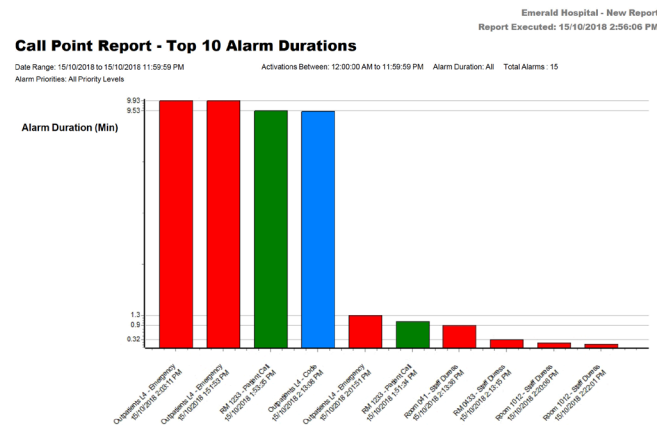
Ability to forward calls to staff or supervisors in other operational areas.

Swing Zone

Forward calls from zone to zone in busy periods.

Messaging

As well as a range of patient alarms, an extensive range of pre-set or customised messaging and reminder options can be sent to pagers, DECT phones, smartphones, tablets and overhead display by text, voice and email.



CITY HOSPITAL		10:36AM
ORDERLY	ROOM 10	ORDERLY
ROOM CLEAN	ROOM 20	ROOM CLEAN
BED CHANGE	ROOM 30	BED CHANGE
BED READY	ROOM 40	BED READY

Automatic Fault Detection

Continuous automated fault detection to ensure your Nurse Call system is reliable and dependable.

Reminder Feature at Call Point

Preset or customisable, this feature is handy for rounding or when a patient requires you to return.

Voice Intercom and VoIP

Allows voice communication between call points, Nurse Station and/or phone systems.

IP

Our suite of products includes IP Nurse Call systems, which allow you to have a unified communications environment with telecommunications, security and entertainment data running across a single platform for easier systems management, improved productivity and better cost-savings opportunities.

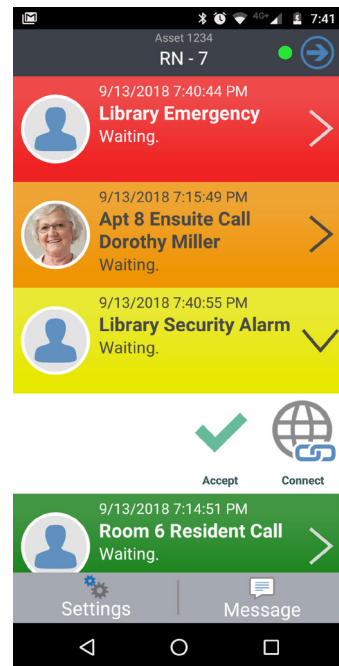
CARECALL WIRELESS

An economic solution ideal for retrofitting into existing sites or for sites spread over large areas.

CareCall Wireless is a highly reliable wireless Emergency Call System that can be retrofitted into existing sites where cable access is difficult or simply not viable.

It is also well suited to applications spread over extremely large areas. With the aid of repeater units, large areas can be economically covered without the use of underground cabling.

CareCall Wireless interfaces seamlessly with CareCall 3 systems.



WANDERSHIELD

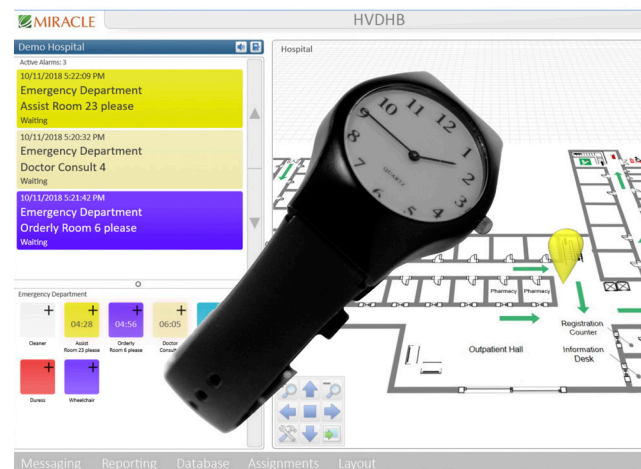
Solves the problem of wandering individuals.

WanderShield is an unobtrusive monitoring system that alerts staff when an individual wearing a WanderShield wrist-watch or tag leaves a protected area.

WanderShield tags and devices track patients and alert non-compliant activity through your Nurse Call system.

Wandershield can also be used to monitor exit doorways or corridors inside a building, and can be used to monitor gates, driveways and the perimeter of the property as required.

WanderShield can be integrated with Access Control to lock doors at the approach of a tag wearing person, and monitor activity through CCTV for visual notification.

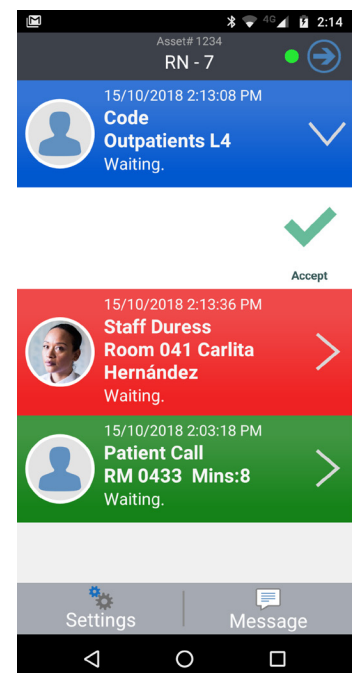


DURESS ALERT

An alarm and location system for at-risk personnel.

The Miracle Duress Alert system allows staff to call for assistance from any location within a protected area, and for other staff to immediately and accurately know the location and identity of the person in duress.

Duress Alert uses RFID technology to track staff members. When activated, name and location is transmitted through your Nurse Call system to the notification device/s of your choice.



ACCESS

An attractive flexible solution for multiple medical services.

Stylish lines and an uncluttered appearance make Access MSPs an ideal answer to installing medical gas, electrical, and communication services at the bed-head in intensive and recovery wards, along with treatment areas and rooms.

The smooth anodised aluminium panel is clutter free and completely modular in construction. Medical Service Panels can be customised to suit the requirements of your wards.



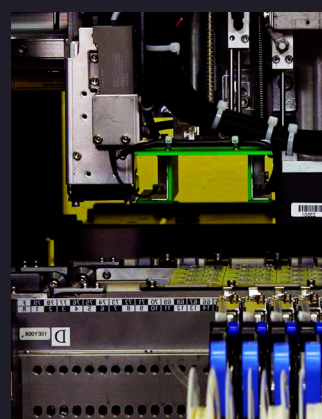
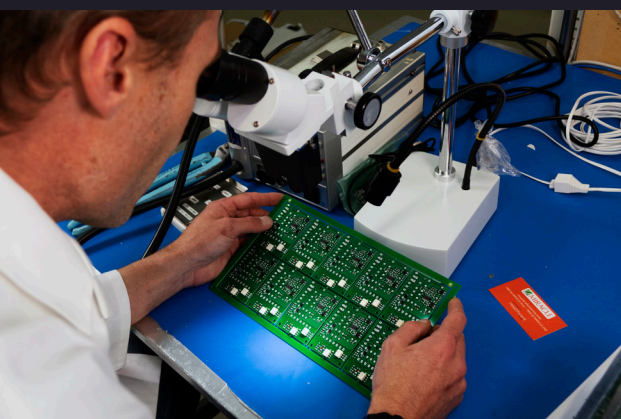
DEMENTIA

Respectful, empowering solutions for residents and staff.

Provide a better resident experience, manage risk and optimize resources with easy to use Pattern Controllers which allow you to set behaviour profiles (preset and customised) specific to the needs of each resident. Staff can spend more time providing quality care and residents are free to live without unnecessary interruption.



"AT MIRACLE WE ARE DEDICATED TO
CONTINUAL PRODUCT IMPROVEMENT AND
NEW PRODUCT DEVELOPMENT"

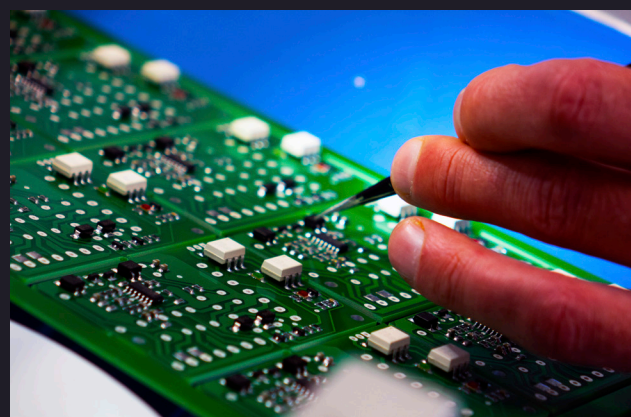
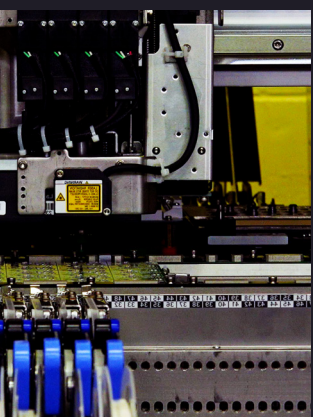


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