



JUST HAIL MARY / FIELD GUIDE 02

Robotics, wearables & sensors.

A care-focused map from personal alarms and smart beds to care robots and the humanoid horizon.

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Contents

A field guide to representative manufacturers, equipment families and the lifecycle questions around leasing them.

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|----|--|
| 01 | Do not begin with the most advanced-looking answer. |
| 02 | Five families. One care-first progression. |
| 03 | A robot must earn its place in the care environment. |
| 04 | Begin with devices designed around a care response. |
| 05 | Sensors can be the smallest assets with the widest boundary. |
| 06 | Most valuable care technology does not need to call itself autonomous. |
| 07 | Not every capable product is a financeable service. |
| 08 | Compliance follows the intended use, not the marketing category. |
| 09 | Follow the manufacturer, then verify the deployment. |

[Read the canonical web edition.](#)

Do not begin with the most advanced-looking answer.

The visible market is organised by products. A useful care technology decision begins with the person, the setting, the need and the likely duration.

Care technology appears in many forms: a pendant alarm, a GPS watch, an occupancy sensor, a medication dispenser, a profiling bed, a mobile hoist or a robot that moves supplies. The most useful answer may be the smallest device in the room.

The product class does not dictate the commercial route. A profiling bed needed during recovery may suit a short lease, while the same class of bed may be financed across several years in a care home. A low-cost sensor may still belong in a managed service because its value depends on connectivity, monitoring and human response.

Match the technology and the term to the care need.

This guide names representative manufacturers where that helps orientation. It does not rank suppliers, provide procurement advice, confirm UK availability or imply a relationship between any named manufacturer and Just Hail Mary. Direct leasing competitors are excluded.

Five families. One care-first progression.

Begin with established care technology and keep robotics visible as a direction, not as the default answer.

01 Sensors Falls, occupancy, movement, environment, location and other events connected to a response.	02 Care wearables Purpose-built pendants and watches for alarms, falls, location and care response.
03 Smart care equipment Medication support, electric beds, pressure care, hoists, specialist seating and mobility.	04 Care robots Bounded cleaning, internal delivery, telepresence and assistive tasks in care environments.
05 Humanoid horizon Future mobile manipulation and assistance, held behind evidence, safety and support gates.	

Just Hail Mary's intended role sits across these families: source and qualify, choose an appropriate purchase, lease or finance route, then preserve the [commercial and operational record](#) through maintenance, return, redeployment and replacement.

A robot must earn its place in the care environment.

The near-term opportunity is bounded work that supports people and care teams. The humanoid remains a north star, not a current lease promise.

Finance, maintenance and product safety do not supply the governed resident context needed around a requested action. [Octeryx OS Care](#) is researching that separate context boundary through declared capabilities, explicit preconditions, bounded commands, receipts and defined failure states.

Robotics should enter the catalogue through a named care problem, not as spectacle. Any future manufacturer entry must be assessed for UK availability, channel fit and direct leasing conflict before publication.



Operating scenario **Bounded support inside ordinary care**. Workflow, safeguarding, service response and human acceptance matter as much as navigation.

MANUFACTURER	PRODUCT	PUBLIC DESCRIPTION
CARE OPERATIONS Internal delivery	Delivery and supply movement	Moving linen, meals or supplies can return time to care teams when routes, handoffs and fallback are tightly defined.

MANUFACTURER	PRODUCT	PUBLIC DESCRIPTION
CARE ENVIRONMENT Autonomous cleaning	Floor-care systems	Potentially repeatable work, but infection control, public-space behaviour, mapping and service coverage remain deployment gates.
CONNECTION Telepresence and social presence	Remote participation	Useful only when privacy, consent, connectivity and the role of human care are explicit.
NORTH STAR Humanoid assistance	Mobile manipulation	Future assistance with bounded non-clinical tasks, held behind independent evidence, regulation, reliability and support readiness.

Begin with devices designed around a care response.

Purpose-built pendants and watches can connect alarms, falls and location to a named response without making consumer smartwatch resale the launch dependency.

JHM should begin with care-specific wearables. Apple Watch and other consumer brands belong in a later BYOD or authorised-channel layer, after traction and support capability exist. Inclusion above does not confirm a JHM supply relationship or current lease availability.



Operating scenario **A device connected to a response.** Comfort, charging, connectivity, monitoring and escalation define whether the wearable is useful.

MANUFACTURER	PRODUCT	PUBLIC DESCRIPTION
PENDANT FALL DETECTION Tunstall	iVi and Vibby	Care-specific wearable devices for manual alarms and automatic fall detection through a compatible telecare system. Official iVi information
GPS ALARM WATCH Careium	Amy	A purpose-built GPS alarm watch designed around safety, independence and connection to a care network. Official Amy information

MANUFACTURER	PRODUCT	PUBLIC DESCRIPTION
MOBILE PERSONAL ALARM Chiptech	GO 4G	A mobile GPS personal alarm with optional fall detection for support at home and while out. Official GO information
WEARABLE FALL DETECTION Essence SmartCare	Care@Home wearables	Wearable emergency and fall-detection devices designed to work with the Care@Home platform. Official fall-detection range

Sensors can be the smallest assets with the widest boundary.

The device may be compact, but its useful life depends on networks, gateways, calibration, software, data governance and response ownership.

A sensor arrangement is rarely about the device alone. Define which event is detected, where the data travels, who acts, which subscription or gateway is required, how batteries and configuration are managed, and what happens to the data and devices at exit.



Operating scenario**A room connected to a human response.**Gateways, batteries, calibration, data handling and response ownership define the useful system.

MANUFACTURER	PRODUCT	PUBLIC DESCRIPTION
INDEPENDENT LIVING Tunstall	Telecare sensor portfolio	Home hubs, occupancy, movement, environmental, property-exit, epilepsy and medication-support devices connected to a care response. Official independent-living portfolio
ROOM FALL DETECTION Essence SmartCare	MDsense	A non-wearable room sensor designed to detect falls without requiring a pendant to be worn. Official MDsense information

MANUFACTURER	PRODUCT	PUBLIC DESCRIPTION
LOCATION AND SAFETY Careium	GPS personal alarms	Care-specific mobile devices that connect location, alarms and caregiver response for support beyond the home. Official personal-alarm range

Most valuable care technology does not need to call itself autonomous.

Electric beds, patient handling and mobility equipment belong in the same lifecycle conversation when they are powered, service-dependent or connected.

This wider scope is central to a care-focused model. A customer may need a coordinated mix of powered equipment, wearables and sensing, with robotics introduced only where the care case supports it. The commercial layer must preserve who owns, maintains, uses, supports and eventually replaces every asset in that mix.

The same class may support different routes. A profiling bed needed for recovery may suit a lease of weeks or months. A care-home bed fleet may suit longer-term finance. Assessment, servicing, decontamination and return economics decide whether either route is responsible.



Operating scenario **Equipment prepared as one care workflow.** Inspection, accessories, charging, service access and replacement belong inside the lifecycle plan.

MANUFACTURER	PRODUCT	PUBLIC DESCRIPTION
ELECTRIC BEDS LINET	Healthcare and long-term care beds	Electrically adjustable beds designed across acute, specialist and long-term care settings. Official Eleganza 1 information
PATIENT HANDLING Etac / Molift	Mobile and ceiling hoists	Patient-handling equipment spanning mobile hoists, ceiling systems, sit-to-stand aids and associated service tooling. Official mobile hoist range
OCCUPANCY AND SAFETY Tunstall	Bed and chair occupancy sensing	Pressure-pad sensing designed to identify unexpected bed or chair activity and raise an alert through a connected care system. Official occupancy sensor information

Not every capable product is a financeable service.

A leaseable asset needs a visible useful life, support boundary and exit path around the equipment.

01 Identifiable asset Model, configuration, payloads, accessories, software and serialised components are known.	02 Accepted outcome The task and service level can be tested in the real operating environment.
03 Support route Maintenance, remote support, consumables, response and escalation have named owners.	04 Useful term The contract term reflects expected use, technology change and the customer's adoption horizon.
05 Data boundary Licences, connectivity, data access, retention and end-of-term handling are explicit.	06 Exit route Return, refurbishment, redeployment, upgrade, replacement and disposal are considered before signature.

A lease does not remove technology risk. [Leasing infrastructure](#) gives the parties a structure in which that risk can be made visible, allocated and revisited through the asset lifecycle.

Compliance follows the intended use, not the marketing category.

The same-looking product can create different obligations depending on whether it is work equipment, lifting equipment, a medical device or a system that monitors people.

Establish before selection	Preserve through the term
• The intended use and the people affected. • Whether the equipment is a regulated medical device. • Applicable workplace, lifting and equipment-safety duties. • Site, connectivity, infection-control and accessibility constraints. • Data protection, cyber security and monitoring boundaries.	• Conformity, registration and supplier documentation. • Installation, inspection and training evidence. • Maintenance, software and configuration history. • Incident, corrective-action and safety-notice records. • Return condition and end-of-life evidence.

The UK Health and Safety Executive states that work-equipment duties can apply whether equipment is owned or leased, and specifically identifies bedrails, hoists and electric profiling beds in health and social care. The MHRA maintains separate rules for medical devices placed on the UK market. These are diligence inputs, not a substitute for competent legal, safety, clinical or regulatory advice.

[HSE equipment safety in health and social care](#)
[MHRA guidance on regulating medical devices in the UK](#)

Follow the manufacturer, then verify the deployment.

Product ranges, ownership, availability and specifications change. Official links are the starting point for current diligence.

All manufacturer descriptions in this edition are editorial summaries of official public product pages reviewed on 4 August 2026. Inclusion is unpaid and does not imply partnership, endorsement, procurement approval, lease availability or suitability for a particular setting.

Manufacturers may contribute one short, attributed perspective in a later edition. Contributions will be added only after written approval and will remain clearly identified as the manufacturer's own words.

Tunstall Independent-living portfolio	Tunstall iVi intelligent pendant
Careium Amy GPS alarm watch	Chiptech GO 4G personal alarm
Essence SmartCare MDsense fall detector	Essence SmartCare Fall-detection range
LINET Eleganza 1	Etac / Molift Mobile hoists
HSE Equipment safety in health and social care	DHSC 2025 adult social care technology survey



JUST HAIL MARY

Start with the work, then understand the equipment.

Just Hail Mary is building a care technology access layer from sensors and wearables to smart beds, care robots and the humanoid horizon.

justhailmary.com/guides/robotics-wearables-and-sensors/

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Educational material only. This publication is not a safety assessment, engineering specification, procurement recommendation, legal opinion, insurance assessment or financial recommendation.