

Experiencing the Sharpsmart Difference



PARTNERING VS. PROVIDING



We exist to make healthcare safer.

Sharpsmart

OUR STORY



DAN DANIELS FOUNDER AND CEO

Our story began with a passionate idea that we could change the world... and to be honest, we've never stopped believing that.

In 1986 it was a simple concept that microbiology teamed with innovation and clinical contribution could eliminate an issue that was profoundly impacting the healthcare industry – HIV acquired through needlestick injuries.

In Australia, we lived out our dream. Investing years into R&D to create the safest containment system in the world and taking on the industry status quo to petition for higher standards in sharps protection, we witnessed an **80+ percent** reduction in disposal-related needlestick injuries nationwide. And then we kept going...

Today Sharpsmart, led by our founding visionary Dan Daniels, is working across healthcare facilities globally to usher in a new minimum standard in sharps and medical waste management. Bringing safety and infection control to the forefront of healthcare waste management, and ensuring KPI's of cost, waste volume, and environmental impact is a shared responsibility between the waste generator and its Sharpsmart partnership, Sharpsmart is bringing healthcare waste back into the clinical spotlight.

In 33 years, from a home garage with nothing but makeshift PVC waste tubes and an irrepressible dream, Sharpsmart has grown to become one of the most influential healthcare service companies in the world. Its safe practices have become the benchmark of global standards, its robotic washing and treatment technologies have achieved unprecedented levels of decontamination efficacy, and its products are esteemed unrivalled industry-wide in protecting the safety of healthcare workers. We are collectively and passionately committed to Making Healthcare Safer.

Find out more at sharpsmart.co.uk/our-story

What we have achieved...



DESIGNED AND PATENTED OVER 60 CLINICALLY-DESIGNED CONTAINMENT SYSTEMS

and accompanying products that transform the safety, efficiencies and environmental impact of healthcare waste management.




INVENTED STATE-OF-THE-ART ROBOTIC WASHING TECHNOLOGY

which achieves the highest levels of bacterial load reduction and decontamination ever recorded in a medical container washing process.

INVESTED MORE RESEARCH INTO R&D AND ACHIEVED GREATER SCIENTIFIC BACKING BEHIND OUR TECHNOLOGY THAN ANY OTHER SHARPS CONTAINER COMPANY IN THE WORLD;

Sharpsmart sharps collectors were peer reviewed in five independent journals across 12 years, demonstrating consistent results in dramatic sharps injury reduction and reduced environmental burden in six countries.



ESTABLISHED 3 CLEAN PROCESSING PLANTS ACROSS THE UNITED KINGDOM achieving a strong national service capability

IT IS ESTIMATED THAT...

“Each year, **100,000** needlestick & other sharps related injuries are sustained by healthcare personnel in the UK.”

**Through our vision,
our service and our products,
we are committed to
reducing this number.**



Sharpsmart
MAKING HEALTHCARE SAFER

How we make a difference.

Sharpsmart's 'value' is achieved for our customers through multiple touchpoints efficiencies, cost-savings, environmental achievements and increased safety benchmarking. There is no such thing as overnight success in our industry - find out how we've explored the journey of change with other leading healthcare facilities...



SHARPSMART:

Impact on emissions & injuries

Publication Inside Hospitals: "Apple of Their Eye" Infection Prevention, October 2011

Disposable single-use sharps containers were replaced with the Sharpsmart reusable containment system. The 12 month Before-After study determined the effect of the Sharpsmart reusable containment system on greenhouse gas emissions and sharps injuries at the 500 bed Rotherham NHS Foundation Trust Hospital. Results showed Sharpsmart:

- ▶ Significantly reduced greenhouse gas (GHG) emissions by 109.80 tons CO₂eq per annum which equated to a **91% reduction in GHG** from the facility's previous disposable sharps containment system.
- ▶ Reduced landfilled waste by **2721 kgs of plastic** and **1179 kgs of cardboard** annually
- ▶ **Eliminated** container-associated **Sharps Injuries**
- ▶ **Reduced sharps containment and disposal costs**

"Introducing Sharpsmart has brought all aspects of point-of-use, sharps safety and sustainability together. There's a financial benefit with Sharpsmart"

- Donna Jones, Facilities Manager

SHARPSMART:

Impact on injuries

Authors Grimmond T, Rings T, Taylor C, Creech R, Kampen R, Kable W, ead P, Mackie P, Pandur R Publication Journal of Hospital Infection Volume 54, Issue 3, July 2003, Pages 232-238

This study involved 8 acute care hospitals ranging in size from 150 to 850 beds in Australia, New Zealand and Scotland. The study was carried out to determine the effect on Sharps Injuries following the introduction of the Sharpsmart reusable containment system. When compared to 10 alternate sharps container brands, the Sharpsmart system proved significant reductions in Sharps Injuries:

- ▶ **Total Sharps Injuries (SI)** reduced by **32.6%**
- ▶ **Container Related SI** reduced by **86.6%**
- ▶ **Non Container Related SI** reduced by **25.7%**

"This is the first time in world literature that a sharps containment system has brought about such Sharps Injury reductions in all three parameters.

It is postulated that the Sharpsmart system's advanced safety features, high profile, multiple mounting options, correct placement, and institution-wide education brought about behavioural change through an ecosystemic effect. The Sharpsmart sharps management system offers a cost-effective means of significantly reducing Sharps Injuries."

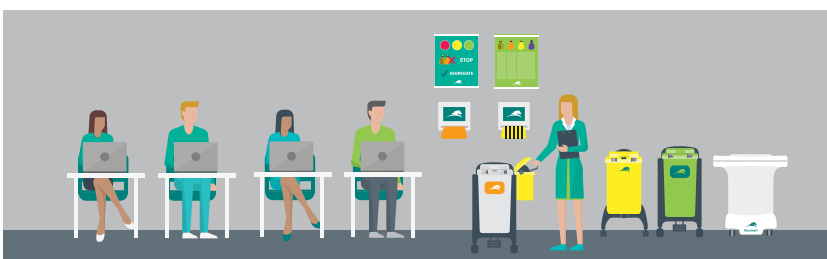
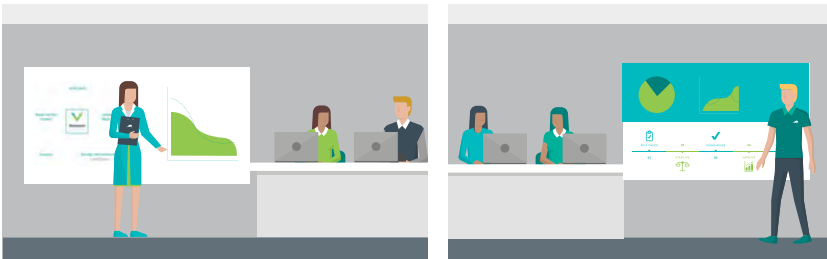
- Authors

View more case studies at sharpsmart.co.uk/case-studies

Waste haulers stop here



HOSPITAL





Sharpsmart services inside the four walls of your

Sharpsmart presents a dramatic shift from traditional waste companies by operating within the four walls of a healthcare facility. Through solution scoping, container placement, waste movement audits, waste traceability solutions, staff training and storage optimisation, we provide a tailored solution for each facility we work with. Before a waste plan is developed, our scoping exercises take into account current staff practices, hospital layout, and disposal methodologies within the facility to determine the ultimate product solution and 'disposal and movement' model for safe seamless transfer of waste, and effective on-site segregation.

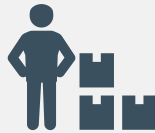
Once the "inside" needs have been understood, we then work with the facility to develop an integrated solution for the transfer of waste to their loading dock and determine the most complimentary storage and transport alternatives.

At the intersection of innovation and entrepreneurship, Sharpsmart has become a change-agent for safer and more sustainable clinical waste practices worldwide.

We believe that through
partnership with our customers
and relentless advocacy for safer
& greener practices, we can together
Make Healthcare Safer.

Traditional Waste Management

THE 'UN-SHARPSMART' WAY



WASTE CONSOLIDATION

Consolidating waste in one area of the facility



PICKUP

Picking up waste from the back dock of the facility



TRANSPORTATION

Transporting the waste from the hospital dock to a processing facility



PROCESS & DISPOSAL

Processing and disposing of the waste via the required treatment methods



REPORTING

Generating a manifest on the destroyed waste

The Sharpsmart Difference

WHAT SETS US APART?



SOLUTION SCOPING

Sharpsmart works with each facility to understand the unique requirements within its four walls that impact safety, efficiency and costs. This scoping exercise takes into account current staff practices, disposal methodologies, and hospital layout.



PLACEMENT

Each patient room within the facility is examined to identify the safest placement for clinical waste receptacles. We observe staff practices, identify potential obstructions, examine waste disposal markers and ensure that the solution we are putting forward optimises segregation potential and ensures the safety of healthcare workers.



MOVEMENT & STORAGE

Sharpsmart conducts internal assessments to identify the most efficient logistical solutions for waste movement within the facility. We walk the wards, understand space requirements and identify issues which will potentially impact on waste movement between ward level and dock pickup.



TRACEABILITY

Sharpsmart offers state-of-the-art tracking technology to trace waste back to its point of origin; in conjunction with waste audits we can identify the precise locations where waste segregation practices are ineffective and further training is required. Through this exercise we can also re-evaluate the positioning of the waste receptacle, and work with staff to understand segregation-prohibitive factors at each location.



STAFF TRAINING

Sharpsmart provides expertise within your facility to educate staff via face to face training, e-learning and educational literature, and empower cognitive behavioural change. We identify staff training as an integral part of optimising waste segregation and keeping safety front of mind.



OPTIMISING STORAGE

Sharpsmart understands that hospital real estate is valuable space and space optimisation is key. Part of our solution offering is the provision of storage transporters to hold multiple collectors ready for pickup at the loading dock, bulk wall mounts to store clean collectors, and mobile carts, wall brackets, bench cradles and fixtures to use within the hospital to optimise off-floor space.



TRANSPORT, PROCESSING, DISPOSAL

The Sharpsmart Difference is that the 6 vital steps above are carried out within the four walls of each facility before waste is stored, picked up, transported and disposed of. These 6 steps are fundamental to effective segregation, cost savings, staff safety and efficiencies within each hospital we work with. Once outside the four walls, our practices promote the highest degree of safe sustainable process. Our robotic washing machinery ensures zero injury risk to users and sanitises collectors through a rigorous 8-stage process, and our waste treatment options ensure that minimal volumes of waste end up in landfill.



THE TOP 10 REASONS
TO ENGAGE WITH

Sharpsmart

1. Safety

Safety sits in the very core of our company vision; protecting people and communities and minimising healthcare-associated risk. Evidenced in multiple case studies, published journal articles and customer testimonials, Sharpsmart's products and services are proven to dramatically reduce needlestick injury rates, minimise infection transfer through waste handling, and substantially improve the risk profile of all organisations that generate healthcare wastes.



2. Sustainability

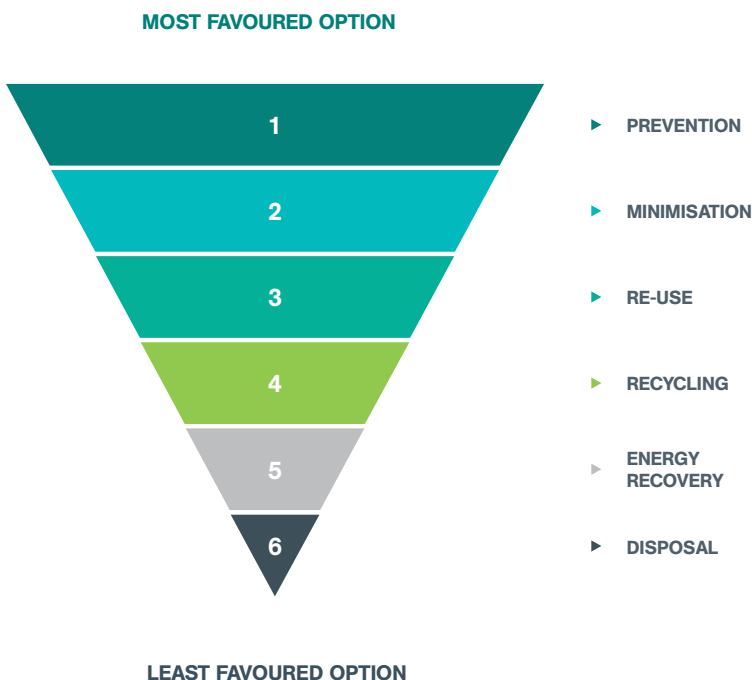
Our composite solutions; products, service, training, treatment and processing, together achieve the highest standards of sustainability and carbon emission reductions in the industry.

Choosing reusable products to reduce environmental impact, placing segregation at the forefront of our training, and offering revolutionary waste processing and washing methods that are proven to achieve the highest levels of microbiological efficacy, Sharpsmart has taken the



3. Segregation and Volume Diversion

Moving from Volume to Value, the safest, most sustainable and financially beneficial method of healthcare waste minimisation is to segregate at source. Effective on-site segregation ensures the lowest cost impact, improved sustainability via reduced landfill volumes and CO₂ emission reduction, and compliance assurance.



4. Efficiency

With a strong solution-driven approach, Sharpsmart optimises the efficiencies of healthcare environments through process re-engineering, redefined waste handling methodologies and the provision of smart logistical solutions to significantly improve day-to-day efficiencies in managing multiple waste streams.

Our range of products and accessories have been engineered to achieve seamless transition between clinical environments. Each collector is designed with unique mounting fixtures that enable interchangeable compatibility with bench cradles, wall mounts, floorstands, mobile trolleys, and bulk delivery carts; thereby enabling safe efficient movement, eliminating ground cross-contamination, and relieving the pressure of tight floorspace.

Concurrently, our unique Tracsmart tracking technology provides intelligence on the movement of waste whilst improving segregation and waste volume reductions.

5. Process

Re-engineering Focus

To achieve optimum levels of safe waste handling and segregation efficiencies in a healthcare setting, relies heavily on a dramatic behavioural shift. Day-to-day behaviours and processes quickly become deeply rooted in routine, and logical solutions are often bypassed in the resolve of past practices.

Sharpsmart consultants are experts in waste mapping, and work in partnership with you to design the safest and most efficient pathway for waste, from point of generation and disposal right through to pickup, processing and recycling. Identifying 'flow', potential hazards and obstructions, and safety or segregation inhibitors, all play a core role in our consultative approach.

6. Education

Sharpsmart has an ongoing commitment to educate staff within healthcare to ensure that together we achieve greater safety awareness and drive behavioural change in waste management, segregation, compliance and best practice.

Sharpsmart employs a blended learning approach to education that accommodates multiple learning styles. Versatile and intuitive, our education platforms serve not only to impart knowledge but also to inspire conscious and actionable disciplines in day-to-day practice. We understand that each person learns differently and no two healthcare settings are the same; our education solutions are designed as an interchangeable and customisable offering – delivering results through a tailored approach.



7. Compliance

Understanding the complexities of local, regional and national regulations, Sharpsmart positions itself as an astute partner in delivering reliable guidance, effective waste segregation results, and compliant handling and management solutions. Our operational and compliance team ensures that each healthcare facility we work with is fully compliant to all local and federally mandated regulations. Through training, site mapping and online reporting, we work closely with each healthcare facility to mitigate the risk of fines and infringement penalties.





8. Customised Approach

With over thirty years industry experience, we are no strangers to the diversity and complexity of british healthcare. Each facility we work with has its own unique set of needs and challenges, and we pride ourselves in having a fluid and nimble approach that delivers site-relevant solutions rather than off-the-shelf packages. As a company, we believe that customisation borne out of true understanding delivers results, and to this end the 'one size fits all' approach is one that you will never find in any Sharpsmart solutions or services.

9. Scalability

As a company founded on innovation and safety-led entrepreneurialism, our nimble and solution-driven approach gives significant scalability to the services we offer and our ability to customise to meet customer needs.

With proven methodologies, we have made irrevocable shifts in waste practices and safety standards across the global healthcare scene. From small surgical clinics through to major hospitals, our waste management services are flexible and proven to deliver behavioural changing results and needlestick injury reduction across all sized facilities.

10. Quality & Value Proposition

As a culture, ethos and way of work, Sharpsmart have always chosen a path of excellence over convention. Our proprietary products have benchmarked safer healthcare standards globally, and our definition of quality and value has always been pitted against the yardstick of the lives saved through our resolve to challenge safety norms.

Yet whilst protecting human life is the highest form of value, our holistically driven waste management services are time-tested to deliver unprecedented results in total cost reduction. By aligning needs, processes, training and products, we guarantee that our quality assurance, efficiencies and overall value proposition will trump current practices.

Clinically-Proven, Safe & Trusted.

“Sharpsmart service is excellent and their staff have good knowledge of clinical waste and are **always willing to go the extra mile to assist** in any operational issues on site”

LOUISE WOODS ESTATES OFFICER | Cumberland Infirmary



“We have used Sharpsmart’s reusable sharps containers since 2004...

...and have always been given a great service. We have just engaged Sharpsmart for total waste management and are hoping to showcase the trust for its sustainable waste management practices achieved in partnership with Sharpsmart.”

DAVE HALL WASTE COORDINATOR | Doncaster Royal Infirmary



“Sharpsmart are broadly recognised as the market leader. Having worked with them for 8 months I can see why. You get what you pay for, Excellent!”

JUNE CADMAN WASTE MANAGER
Rotherham General Hospital

Peer-reviewed in four independent studies and relied upon by healthcare facilities across the world, the Sharpsmart system is driven by a single, crucial objective – **to save lives.** Read what some of our customers have to say about how Sharpsmart products and services have transformed the experiences of staff, patients and visitors alike.

“Most people within the NHS will look back and wonder how we managed without Sharpsmart. The planning that went into ensuring that transition was smooth and well worth the effort, with fewer staff exposed to used sharps - let alone injuring themselves with them.”

INFECTION CONTROL | James Paget Hospital



“As a product, Sharpsmart has proved its place in the busy hospital environment. The containers are easy to identify, sturdy and secure. **Staff love the idea of the carts which ensure sharps can be disposed of safely** and immediately after they been used maximising safe clinical practices”

MARJA THOMAS INFECTION CONTROL NURSE
University Hospital Coventry & Warwickshire



We believe that sharps handling and waste management in hospitals is a **clinical responsibility** requiring a **clinical solution.**

Find out how the Sharpsmart Difference can transform safety and infection control in your facility.

sharpsmart.co.uk/sharpsmart-difference



33 years of experience in healthcare

Serving **20,000+** customers



Diverting **2,000+** tons of plastic from landfill per year



Preventing an estimated **4,000+** needlestick injuries per year



Sharpsmart
MAKING HEALTHCARE SAFER

www.sharpsmart.co.uk