

mjmedical

essentia



Essentia MJ Medical
Thinking different, delivering results

About us

Essentia and MJ Medical, the healthcare planning and equipment planning specialists, formed a strategic partnership in June 2017 to help organisations around the world with their healthcare projects.

Better together

Combining our talents and expertise spanning over 30 years we have a unique offering that will add significant benefits for the organisations we support in a healthcare environment of unprecedented challenge and change.

Adding value

We have worked together many times, recognising a natural synergy between our approaches.

This new strategic partnership will add value by reducing duplication of effort, ensuring whole project continuity and delivering best value for money.

Knowledge and understanding

We have a deep understanding of what is needed to ensure that strategic decisions consider all the elements that will have the greatest impact on productivity, cost effectiveness and patient experience.

Essentia and MJ Medical have an integrated approach that supports decisions at the feasibility and briefing stages around medical technology and detailed design traditionally not considered until much further along the process.

The outcome is enhanced early cost certainty, a design that meets the vision of the care provider and the needs of the patients and staff, and a healthcare facility that can adapt to changes in clinical best practice and technology throughout its life.



CASE STUDY:

Does size matter?

Overview

A new emergency department at a major NHS Trust faced an affordability challenge.

Our solution

Essentia carried our simulation modelling, determined future capacity, and looked at demographics and potential changes that could have an impact on future requirements. After a value engineering exercise, it was proposed to reduce the size of examination and treatment cubicles.

Problem solved

MJ Medical were able to convince staff through evidence based simulation that the space would work. Additional opportunities to improve utilisation through modernised working practices were identified.



Outcome

Essentia used the MJ Medical recommendations and modelled the new and improved patient pathways within a reduced footprint. We supported the trust to implement the new way of working and MJ Medical were able to support by displaying innovative technology that would also help to improve clinical performance.

CASE STUDY:

Who you gonna call?

Overview

With no off the peg guidance available to inform the planning of a new major trauma, stroke and high acuity unit an innovative approach was needed.

Our solution

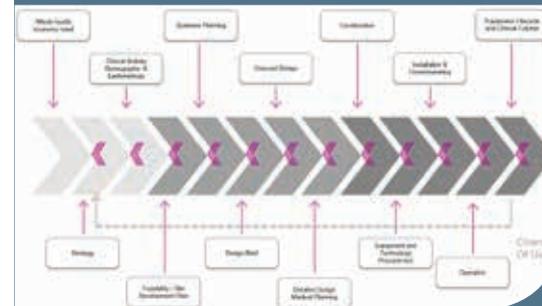
We put the patient flows under the microscope and analysed where these might evolve over time with the development of more flexible space aided by optimised diagnostic equipment. We used a “long-life-loose-fit” approach to space planning – MJ Medical were able to test the suitability of how new technology and equipment could be deployed to ensure it was flexible in several different scenarios and clinical uses.

Problem solved

This approach of the “intelligent hospital” strategy is only possible where we use technology to accumulate data from all stages of the patient journey including touchpoints with important medical equipment and aggregated to understand where there was duplication and wastage.

Outcome

A new way of working with a clinically responsive space is reliant on the deep understanding of the detailed data. The result is flexible space that can respond to developments in new technology, changes in clinical best practice and new data to develop the future strategy of the “intelligent hospital”. By collaborating we were able to deliver an innovative solution.



CASE STUDY:

I'm not a robot

Overview

Automatic guided vehicles (AGVs) and radio-frequency identification (RFID) are not new but often there is not a clear and robust strategy to implement them correctly.

Problem solved

AGVs are often seen as space hungry and costly – Essentia used simulation modelling and coupled this with MJ Medical's equipment strategy to analyse and smooth-out via re-programming, reduced docking, room loading and communication space requirements.

A properly integrated RFID system allowed for mobile assets to be located and booked out as-needed and alongside an efficient maintenance programme means these were always ready for use.

Outcome

The AGVs when calibrated correctly enabled a just-in-time integrated electronic store and supply management system. This greatly reduced the need for costly storage and reduced time in auditing what might exist in the larger store-areas. With better equipment tracking it meant a significant reduction in the inefficient deployment of capital and a better understanding of the data usage.



CASE STUDY:

LEAN on me

Overview

Using LEAN criteria to analyse designs ensures the whole health-system is working in an efficient and sustainable way.

Problem solved

Essentia and MJ Medical employ LEAN criteria to identify opportunities to improve flows, eliminate waste and build in pull factors to improve throughput, efficiency, and eliminate waste. That also, for example, centralised stores and stock cabinets, with technology taking over from manual ordering eliminates human error and waste.

Outcome

By using LEAN principles, we can develop more efficient processes and define better ways of adding to the value stream by continuous improvement. This frees up staff to concentrate on delivering frontline services and reduces waste with over ordering.





About Essentia Trading Ltd

Launched in 2013, Essentia Trading Ltd is a commercial arm of Essentia, a business wholly owned by Guys' and St Thomas' NHS Foundation Trust. Operating as a separate limited liability company and employing over 62 people, Essentia Trading combines business acumen with public sector values to ensure organisations become more efficient and more effective. All profits are invested back into the NHS.

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About MJ Medical

MJ Medical is a health planning consultancy. It works in partnership with healthcare providers, investors, architects, engineers and contractors to deliver innovative, effective and adaptable services and facilities that respond to the changing needs of the community. Established for 30 years, MJ Medical's diverse and extensive experience spans more than 250 projects across 75 countries totalling approximately US\$80 billion in capital value.

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