Total Digital

Your partners in innovation

IOT & Embedded Systems

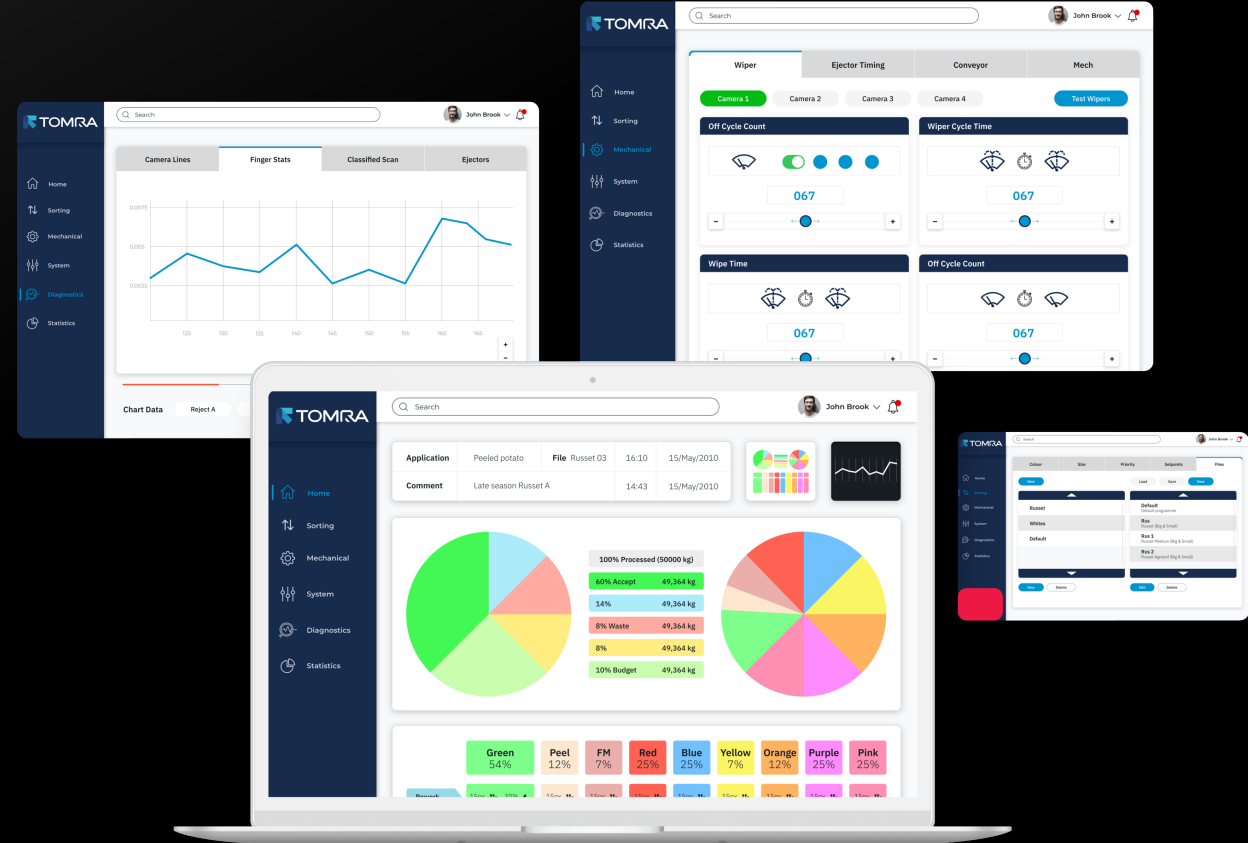Innovation in Internet of Things (IoT)

total digital

IOT & Embedded Systems

Our client operates in the food sector, specializing in the production of sorting machinery for various applications. Their existing platform relied on outdated technology, so they approached us about creating a modern solution to enable them to operate their sorting machinery remotely, using web browsers from multiple locations.

Integrating hardware devices, embedded cameras, and SCADA systems posed complex engineering and software challenges that we were all too eager to solve. So, we embarked on a comprehensive design and development project to revamp the sorting machinery software and systems in line with best practice.

 Key elements :

- Migration to a Modern Stack: We migrated the existing platform to a modern stack, utilizing web-based technologies. This allowed for a more intuitive user interface and enhanced accessibility, enabling operators to control and monitor the sorting machinery through web browsers from any location.

- Seamless Integration: We designed and implemented seamless integrations with various hardware devices, including embedded cameras, SCADA systems, and other crucial components. This ensured smooth and efficient communication between the sorting machinery and the software, enabling real-time data monitoring and control.

- Enhanced Functionality: Our team focused on optimizing the software's capabilities to cater specifically to the client's sorting machinery requirements. This included advanced algorithms for precise sorting, real-time monitoring of machine performance, and intuitive user interfaces to simplify operation and maintenance tasks.

totaldigital

About us

We are an Award-Winning Design and Development Agency based in Dublin

From websites to mobile apps and bespoke software solutions, we partner with leading local & global brands to craft products and experiences that deliver results.

#WeAreTotalDigital

20 Senior Professionals

20 Years Experience

100s Successful Projects

totaldigital

ENTERPRISE IRELAND

Compliance & Risks

elfc

TransferMate
GLOBAL PAYMENTS

McCAULEY
HEALTH & BEAUTY PHARMACY

dpd

CIRCLE K

FALLON & BYRNE
DUBLIN

CARROLLS
IRISH GIFTS

FLYEfit

UNISLIM

Nurse On Call

WEIR & SONS

UCD DUBLIN

Trinity College Dublin
The University of Dublin

McCann FitzGerald

We are proud to partner with local and global brands across sectors

What we do

There's more to us than just websites

From strategic planning to ongoing support, we deliver impact with user-focused design and deep technical expertise that spans over two decades,

Digital Strategy   Brand Identity   SEO

Software Design   Software Development

Mobile Apps   Ecommerce   Integrations

total digital

Why Total Digital

Design Thinking

- Senior creative leads, experts in UX/UI, Animation & Innovation

- Working with leading brands on projects of national and international importance

Technical Expertise

- Deep technical expertise, with a strong track record across platforms & languages

- Experts at integrating with back-office and third-party systems

Experience

- Multi-award winning agency with 20 Years of industry experience

- Senior team of digital experts with management & consulting experience

Partnership

- Strong ability to partner with clients, their teams & third parties

- Strategic Vs Transactional

- Focus on Continuous Improvement

Recent Awards & Nominations

total digital

Get in touch

✉ hello@totaldigital.ie

📍 Digital Court, Rainsford St, Ushers, Dublin 8 D08 EH4C

📞 +353 1 522 76 90

Total Digital is nestled within The Digital Hub, the largest cluster of tech companies in Ireland.

This is where cutting-edge designers, developers, and visionaries converge to collaborate and push digital boundaries on a daily basis.

Stop by to tell us about your project. Coffee is on us.

total digital