Tay Cities Tourism Technology Toolkit

A Practical Guide for Businesses

Based on insights from the Traveltech for Tay Cities Programme

March 2025

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Introduction to the Toolkit

Welcome to the Tay Cities Tourism Technology Toolkit. This guide is designed for tourism and hospitality businesses in the region, drawing directly on the real-world experiences and learnings from the Traveltech for Tay Cities Testbed programme.

The **Traveltech for Tay Cities Testbed** programme was a dedicated initiative designed to help tourism and hospitality businesses across the region explore and adopt relevant technology. It acted as a practical testbed, connecting businesses with potential tech solutions, from AI and automation to booking systems and data tools, through supported trials, evaluations, and workshops. The core aim was to understand how technology could realistically address common sector challenges, boost efficiency, enhance guest experiences, and ultimately strengthen the capabilities of businesses in the Tay Cities area.

We know that exploring and adopting new technology can seem complex and time-consuming. This toolkit aims to simplify the process by breaking down key technology areas relevant to your sector. Each section provides a clear overview of a specific technology type, explores the common business problems it can help solve, outlines the potential benefits, highlights crucial factors to consider before investing, and offers practical steps to get started.

We've also included insights gleaned directly from the businesses that participated in our technology trials, sharing their successes and challenges to offer practical context. Alongside the specific technology guides, you'll find foundational advice on assessing your business readiness, managing implementation effectively, and handling data responsibly.

Our goal is to provide a practical, easy-to-understand resource to help you navigate the technology landscape and make informed decisions that can benefit your business. Whether you're just starting to think about digital tools or looking to enhance your existing setup, we hope this toolkit proves valuable.

Getting Started Assessing Your Business Needs & Readiness

Before diving into specific technologies, taking time to assess your own business is crucial. Our programme found that while interest in technology is high, a mismatch between ambition and practical readiness can be a major hurdle. Jumping into a solution before you're ready can lead to frustration and wasted resources.

Ask yourself these questions first:

1. What Problem Am I Really Trying to Solve?

Be specific. Don't just say "I need to improve marketing"; ask "Where are my bookings actually coming from?" or "Why are customers dropping off my website?".

Focus on your biggest pain points. Where are you losing the most time? What generates the most complaints? What's hindering growth?

Talk to your staff. They often have invaluable insights into daily operational bottlenecks.

Distinguish between 'nice-to-haves' and essential needs. Prioritise solving the most significant problems first.

2. What Does Success Look Like?

How will you know if the technology has worked? Try to define measurable goals.

Examples:

- "Reduce time spent on manual bookings by 50%"
- "Increase direct website bookings by 10%"
- "Respond to all standard email enquiries within 1 hour"
- "Reduce food waste identified in EPOS reports by 5%".

Having clear goals helps you choose the right solution and evaluate its impact later.

3. What Are My Resources?

Time: Implementing new technology *always* takes time – for research, setup, data migration, training, and troubleshooting. Who in your team has the capacity for this? Our programme showed underestimating this is common.

Budget: What is a realistic budget for both upfront costs (hardware, setup fees) and ongoing costs (subscriptions, transaction fees)? Remember to factor in potential training time costs too.

Skills: What level of technical confidence exists within your team? Are you comfortable learning new software, or will you need significant support and user-friendly interfaces?

4. Is Now the Right Time?

- Consider your business cycle. Implementing a major new system during your absolute peak season might be counterproductive (as some programme participants found). Is there a quieter period you could target?
- Are there other major changes happening in the business that need focus? Sometimes it's better to tackle one big change at a time.

Why This Matters:

Taking this time to self-assess helps you:

- Avoid costly mistakes: Choosing technology that doesn't solve your core problem or that you lack the resources to implement properly.
- Choose the *right* solution: Having clear needs makes it easier to evaluate different options.
- Set realistic expectations: Understanding your capacity helps you plan implementation effectively.
- Get better buy-in: A clear rationale makes it easier to get your team on board.

Technology can be powerful, but only when it's the right fit, implemented at the right time, and solves a genuine business need. Start with understanding your own operation first.

Make Bookings Simple Digital Booking & Management Systems

1. What are Digital Booking & Management Systems?

These are online software tools that allow your customers to check availability and make confirmed bookings for your services, whether that's tours, activities, accommodation, or restaurant tables, directly through your website or other online channels, any time of day or night.

For accommodation providers, this often involves a Property Management System (PMS) which handles reservations, room allocation, check-in/out, and sometimes integrates with other systems. For activity or tour providers, it focuses on managing schedules, guide availability, and capacity. The key is moving away from manual phone or email requests towards an automated, real-time system.

2. Why Should I Consider It?

Does any of this sound familiar?

- Spending too much valuable time answering emails or phone calls just to check availability or take booking details?
- Frustrated by double bookings or errors caused by manual diary management?
- Losing potential bookings because your 'reception' isn't open 24/7?
- Finding it difficult to manage availability across your own website and third-party sites (like Online Travel Agents OTAs)?
- Struggling to take deposits or payments securely at the time of booking?
- Having trouble efficiently scheduling staff, guides, or resources for your activities?

If so, a digital booking or management system could provide a solution.

3. How Can It Help My Business?

Implementing the right system can offer significant advantages:

- Save Administrative Time: Drastically reduce time spent manually managing enquiries, calendars, and confirmations.
- Increase Bookings: Capture bookings instantly online, 24/7, even when you're closed or busy.
- **Reduce Errors:** Minimise costly mistakes like double bookings through automated inventory management.
- Improve Cash Flow: Secure bookings with online deposits or full payments taken at the time of reservation.
- Enhance Customer Experience: Offer guests the convenience of checking real-time availability and booking instantly.
- **Streamline Operations:** Manage resources, staff schedules, and customer communications more efficiently.
- Wider Reach (with OTA Integration): Connect your availability seamlessly to major online travel agencies (like GetYourGuide, Viator, TripAdvisor) to reach more customers.
- **Gain Insights:** Many systems offer reporting features to help you understand booking patterns, customer sources, and popular times or services.

4. What Should I Think About Before Choosing?

Choosing a system requires careful thought:

- **Cost:** Understand the full cost are there setup fees, monthly/annual subscriptions, commission per booking, or payment gateway fees?
- Ease of Use: How simple is the system for you and your staff to learn and use daily? What training is involved?
- Integration: Does it integrate smoothly with your existing website? Can it connect to your preferred payment provider? Does it offer integration with OTAs or channel managers if you need them? (This was a key focus for businesses like Perthshire Wildlife in our trials).
- **Specific Features:** Does it handle your specific needs? (e.g., group bookings, managing multiple resources/guides like Do It Outdoors, different pricing tiers, automated reminder emails, specific reporting).
- **Mobile Friendliness:** Is the booking interface easy for customers to use on smartphones?
- **Supplier Support:** What level of technical support does the provider offer? How

responsive are they when issues arise?

- **Data Security:** Ensure the system complies with data protection regulations (GDPR) for handling customer information.
- Scalability: Can the system adapt if your business grows or your needs change?

5. Getting Started

Ready to explore options?

Define Your Needs: Be very clear about the specific problems you want to solve and the essential features you require. What does your current booking process look like, and where are the main pain points?

Research Providers: Look for systems designed for your specific sector.

Examples include:

- Tours & Activities:
 - FareHarbor (Global),
 - Rezdy (Global),
 - Checkfront (Global used in trial),
 - **Beyonk** (UK used in trial),
 - BookingHound (UK),
 - **Regiondo** (EU).
- Accommodation (PMS):
 - Eviivo (UK/EU),
 - Mews (Global),
 - Cloudbeds (Global),
 - Guestline (UK/EU),
 - Little Hotelier (Global for small properties),
 - Outdore (UK Camping used in trial).
- Restaurants:
 - TableSense (UK used in trial),
 - ResDiary (UK/Global),
 - SevenRooms (Global),
 - Tablein (EU),
 - **OpenTable** (Global).

Request Demos & Trials: Most providers offer live demonstrations or free trial periods. Use these to test the system's usability and features thoroughly.

Check Reviews & Case Studies: Look for feedback from businesses similar to yours. Ask providers for references if possible.

Assess Your Capacity: Honestly evaluate if you have the time and resources needed for setup, data migration (if needed), and staff training right now.

6. Insights from the Tay Cities Trials

- Businesses found that integrating booking systems with major OTAs was a key driver for adoption, expanding their market reach.
- Choosing a system tailored to a specific niche (like campsite management software trialled by the Scottish Canoe Association) can be important for specific operational needs.
- As with any system implementation, ensure plans account for potential staff changes to maintain continuity (an issue which impacted the Scottish Canoe Association trial).
- Don't underestimate the time needed for setup and ensuring the system accurately reflects your availability and resources.

Taking bookings online efficiently is fundamental for most tourism businesses today. While choosing and implementing a system requires effort, the long-term benefits in saved time, reduced errors, and increased bookings often make it a worthwhile investment.

Know Your Guests Understanding Customer Relationship Management (CRM)

1. What is a CRM System?

A Customer Relationship Management (CRM) system is software that helps businesses organise and manage their interactions and relationships with current and potential customers. Think of it as a central hub for all your customer information – contact details, booking history, preferences, communications, and more. For tourism and hospitality, it helps you move beyond simple mailing lists to build a richer understanding of your guests and supporters.

2. Why Should I Consider It? (Common Problems Solved)

- Finding it hard to keep track of guest details and past visits across different spreadsheets or notebooks?
- Struggling to personalise communication or marketing efforts?
- Missing opportunities to encourage repeat bookings or build loyalty?
- Spending too much time manually managing membership schemes, donations, or volunteer details (if applicable)?
- Concerned about securely storing customer data and complying with GDPR?

If you want a more organised and effective way to manage guest relationships, a CRM could be the answer.

3. How Can It Help My Business? (Key Benefits)

- **Centralised Information:** Keep all guest contact details, booking history, notes, and communication logs in one secure place.
- Improved Guest Understanding: Build detailed profiles to understand guest preferences, visit frequency, and value over time.
- **Targeted Marketing:** Segment your audience based on past behaviour or interests to send more relevant newsletters, offers, or updates.
- Enhanced Customer Service: Quickly access guest history to provide more personalised and efficient service during enquiries or future visits.
- **Streamlined Processes:** Manage memberships, loyalty programmes, donations (like Gift Aid for charities), or volunteer coordination more efficiently (as seen with Murton Trust).
- Increased Loyalty & Repeat Business: Use insights to encourage return visits and build stronger relationships.
- Better Data Security & Compliance: Manage customer data more securely and systematically, aiding GDPR compliance.

• Improved Internal Communication: Allow relevant staff members access to consistent, up-to-date customer information.

4. What Should I Think About Before Choosing? (Key Considerations)

- **Cost:** CRM systems range from free basic versions to sophisticated paid platforms. Understand setup costs, subscription fees (often per user), and any potential add-on costs.
- **Ease of Use:** How intuitive is the system for your team? Will it require significant training? Look for systems with clear interfaces.
- **Features:** Does it offer the specific features you need? (e.g., email marketing integration, booking system integration, membership management, reporting capabilities). Start simple if needed.
- Integration: Can it connect with your booking system, website contact forms, or email marketing tools to avoid manual data entry?
- **Customisation:** Can you adapt fields and processes to match your specific business needs?
- **Data Migration:** How easy is it to import your existing customer data? Is support available for this? (This can be a significant task, as noted in trials).
- Supplier Support: What training and ongoing support does the provider offer?
- **GDPR Compliance:** Ensure the system helps you meet data protection requirements.

5. Getting Started (Practical Next Steps)

- Identify Your Goals: What do you primarily want to achieve with a CRM? (e.g., better marketing, improved service, managing memberships).
- **Map Your Processes:** How do you currently manage customer information? Where are the biggest inefficiencies?
- **Start Small:** You might not need an overly complex system initially. Look for scalable solutions.
- **Research Options:** Explore CRMs suitable for SMEs. Examples include:
 - General Purpose (often with free/low-cost tiers): HubSpot CRM (Global),
 Zoho CRM (Global), Capsule CRM (UK), Freshsales (Global), Insightly (Global).
 - Tourism/Hospitality Focused: Beacon CRM (UK Charity focus used in trial), GuestJoy (EU - Hotel focus), Experience CRM (UK - Travel focus). Consider if your booking system has built-in CRM features.
- Use Demos/Trials: Test drive a few options to see which feels right for your team and workflow.
- Plan Data Import: Think carefully about how you will get your existing contacts

into the new system cleanly.

6. Insights from the Tay Cities Trials

- For organisations with diverse interactions (visitors, members, donors, volunteers), an integrated CRM proved highly valuable in reducing administrative burden and unlocking insights (Murton Trust).
- Automating tasks like Gift Aid claims or membership renewals through the CRM saved significant staff time.
- Migrating existing data into a new system can be time-consuming, especially without dedicated support from the provider. Plan adequate time for this.
- Ensure the chosen system genuinely integrates with other key tools (like accounting software) to maximise efficiency gains.

A good CRM can be a powerful tool for building lasting relationships with your guests and understanding your business better. Start by defining what you need it to do, and explore options that fit your scale and budget.

Streamline Your Sales Modern EPOS & E-commerce Systems

1. What are EPOS & E-commerce Systems?

EPOS stands for Electronic Point of Sale. It's essentially a modern till system, often based on a computer, tablet, or specialised hardware, combined with software to manage sales transactions. Beyond just taking payments, modern EPOS systems can handle inventory management, sales reporting, staff tracking, and sometimes customer loyalty features.

E-commerce integration allows you to sell products or services online, either through your own website or third-party platforms, with sales and inventory often linking back to your main EPOS system. For tourism businesses, this might involve selling gift vouchers, merchandise, local produce, or even event tickets online.

2. Why Should I Consider It? (Common Problems Solved)

- Using an old-fashioned cash register or a basic, clunky till system that slows down service?
- Struggling to keep track of stock levels accurately across your shop, cafe, or bar?
- Finding it difficult to get meaningful reports on what's selling well, when, and to whom?
- Spending too much time manually cashing up or reconciling sales figures?
- Wanting to sell gift vouchers, merchandise, or other items online but lack the system to do it?
- Experiencing errors in order taking or billing?

A modern EPOS system, potentially with e-commerce capabilities, can address these common operational headaches.

3. How Can It Help My Business? (Key Benefits)

- **Faster Transactions:** Speed up the payment process for customers, reducing queues and improving service (a major win for Fisher & Donaldson).
- Accurate Stock Management: Track inventory levels in real-time, reducing the risk of selling out-of-stock items and informing reordering.
- **Detailed Sales Reporting:** Gain valuable insights into sales trends, popular products, peak times, and staff performance.
- Reduced Errors: Minimise mistakes in pricing, billing, and order taking.
- **Simplified Accounting:** Many systems integrate with accounting software (like Xero or QuickBooks), streamlining reconciliation.

- Improved Staff Management: Track staff hours and sales performance; simplify cashing up procedures.
- Enhanced Customer Experience: Offer quicker service, split bills easily, manage table orders efficiently (for F&B), and potentially offer loyalty schemes.
- **E-commerce Opportunities:** Open up new revenue streams by selling products or vouchers online.
- Waste Reduction: Better sales data and stock tracking can inform production or ordering, helping to reduce waste (as Fisher & Donaldson found).

4. What Should I Think About Before Choosing? (Key Considerations)

- **Cost:** Consider hardware costs (tills, tablets, card readers, printers), software subscription fees, setup/training costs, and payment processing fees.
- **Ease of Use:** How intuitive is the interface for staff? Is it quick to learn? Can it handle your specific product range easily? (Fisher & Donaldson needed a system capable of handling hundreds of bakery items).
- **Features:** Does it offer the specific features you need? (e.g., table management, stock control by ingredient, barcode scanning, loyalty programs, specific reporting, multi-site management).
- Hardware Compatibility: What hardware does it run on? Is it compatible with equipment you already own?
- Integration: Does it integrate with your payment provider, accounting software, or online booking/ordering platforms?
- **Offline Mode:** Can it still process payments if your internet connection temporarily drops?
- **Supplier Support:** What level of technical support is provided, and during what hours? How responsive are they? (Good support was key for Fisher & Donaldson's rollout).
- Scalability: Can the system grow with your business?

5. Getting Started (Practical Next Steps)

- **Map Your Needs:** List the essential functions your EPOS needs to perform based on your specific business (retail, cafe, restaurant, bar?). What are your biggest current frustrations?
- **Consider Your Budget:** Determine a realistic budget for both upfront and ongoing costs.
- **Research Sector-Specific Options:** Look for EPOS systems popular in UK/EU hospitality or retail. Examples include:
 - General/Retail/Hospitality: Lightspeed (Global), Square (Global), Zettle by PayPal (Global), Epos Now (UK/Global), SumUp (Global - acquired Goodtill),

Shopify POS (Global - strong e-commerce link).

- *Hospitality Focused:* **TouchBistro** (Global), **Toast** (Primarily US but expanding).
- Niche: C2epos (UK Bakery focus used in trial).
- **Get Demos:** Arrange demonstrations from shortlisted providers to see the software in action.
- Check Payment Compatibility: Ensure it works seamlessly with your preferred card payment processor (switching processors alongside the EPOS saved Fisher & Donaldson money).
- Talk to Other Businesses: Ask peers about the systems they use and their experiences.
- **Plan Implementation:** Factor in time for setup, data input (especially if you have many products), and staff training.

6. Insights from the Tay Cities Trials

- Switching to a modern, industry-specific EPOS can dramatically improve efficiency and staff satisfaction, even becoming a change actively welcomed by the team (Fisher & Donaldson).
- The ability to accurately track stock and sales data can lead to tangible benefits like reduced food waste.
- Good supplier support, including on-site presence during rollout, can be invaluable for a smooth transition, especially when migrating lots of product data.
- Integrating the EPOS with accounting software significantly reduces administrative time.
- Consider the potential cost savings from choosing your own payment provider, which might offset EPOS subscription fees.

A modern EPOS system is often a foundational piece of technology for businesses handling sales transactions. Choosing the right one can significantly streamline operations and provide crucial business insights.

Enhance Guest Support: *AI for Customer Service & Chatbots*

1. What are AI for Customer Service & Chatbots?

This involves using Artificial Intelligence (AI) tools to handle customer interactions, answer frequently asked questions (FAQs), and automate routine communication tasks. This can range from:

- **Chatbots:** Automated programs (often appearing as a chat window on your website) that can understand and respond to typed customer queries in natural language, 24/7.
- Voice AI: Similar to chatbots but using spoken language, potentially via phone systems or smart speakers (like the ANNA AI trialled by Stay in Cupar via Kalab).
- **AI-Powered Knowledge Bases:** Systems that help customers find answers themselves by searching through information you provide.
- Automated Responses: Using AI to draft replies to common emails or messages.

The goal is often to provide instant answers to simple questions, freeing up staff for more complex issues.

2. Why Should I Consider It? (Common Problems Solved)

- Spending a lot of staff time answering the same basic questions repeatedly (e.g., opening hours, parking info, Wi-Fi details, directions)?
- Struggling to provide timely responses to guest enquiries outside of business hours?
- Receiving high volumes of simple phone calls or emails that could potentially be automated? (This was the motivation for Forbes of Kingennie).
- Wanting to offer instant support on your website without needing staff constantly monitoring a live chat?
- Dealing with guests who may struggle with written information or prefer conversational interaction?

Al tools offer the potential to automate responses and provide instant information, improving efficiency and guest convenience.

3. How Can It Help My Business? (Key Benefits)

- Instant Responses: Provide answers to common questions 24/7, improving guest satisfaction.
- **Reduced Staff Workload:** Free up your team from answering repetitive queries, allowing them to focus on more complex or valuable tasks.

- Improved Efficiency: Handle a higher volume of simple enquiries automatically.
- **Consistent Information:** Ensure guests receive accurate and consistent answers based on the information you provide.
- Lead Generation: Some chatbots can capture contact details or guide users towards making a booking.
- **Data Insights:** Analyse the questions guests ask most frequently to identify information gaps or areas for improvement on your website or in your services.

4. What Should I Think About Before Choosing? (Key Considerations)

- Accuracy & Training: AI tools need to be 'trained' with accurate information about your business. How easy is it to provide and update this information? How well does it understand variations in how questions are asked?
- **Cost:** Pricing models vary (subscriptions, per interaction, etc.). Understand the full cost implications.
- Integration: How does it integrate with your website or other communication channels?
- **Escalation:** What happens when the AI *can't* answer a question? Is there a smooth handover process to a human staff member (live chat or contact details)? This is crucial.
- User Adoption & Preference: Will your target customers actually *use* it? Some demographics or query types might still favour direct human contact (a key finding from the Forbes trial).
- Setup & Maintenance: How much effort is required to set up and maintain the knowledge base the AI relies on? Who updates it?
- **Tone of Voice:** Can you customise the AI's responses to match your brand's personality?
- **Complexity:** Start simple. Trying to automate too much too soon can lead to frustration. Focus on high-volume, simple queries first.
- **Provider Support:** What help is available for setup, training the AI, and troubleshooting?

5. Getting Started (Practical Next Steps)

- **Analyse Enquiries:** Identify the top 5-10 frequently asked questions you receive via phone, email, or in person. These are prime candidates for automation.
- **Compile Accurate Answers:** Create clear, concise answers to these FAQs. This will form the knowledge base for the AI.
- **Research Providers:** Explore chatbot and AI communication platforms suitable for SMEs. Examples include:
 - Platforms with Chatbot Features: Tidio (EU), Intercom (Global), Drift (Global),

Landbot (EU), HubSpot Service Hub (Global), Zendesk (Global).

- Specialist Providers (some used in trials): Konversable (UK used in trial), InChat (UK - used in trial), Kalab (UK - used in trial). Many website builders also offer basic chatbot add-ons.
- Start with a Pilot: Consider trialling a chatbot focused only on your top FAQs initially.
- **Define Escalation Paths:** Plan how users can easily reach a human if the AI fails. Make contact information prominent.
- **Monitor Performance:** Regularly review the questions asked and the AI's answers to identify areas for improvement and update the knowledge base.

6. Insights from the Tay Cities Trials

- While easy to set up, chatbots didn't necessarily reduce call volumes as expected in one trial (Forbes); customers with simple questions still often preferred to call.
- User behaviour can be unpredictable; some guests used chatbots for complex queries needing human follow-up anyway, while others disengaged after getting a basic answer.
- Ensuring staff are trained and responsive for human escalation (live chat) is critical if offered alongside a chatbot.
- Practical barriers exist, such as guests being unable or unwilling to use QR codes to access AI assistants, or information not reaching the end-user via corporate booking channels (Stay in Cupar).
- Hosts may desire more direct control over the information and recommendations provided by AI assistants.

Al customer service tools offer potential efficiencies, but success depends heavily on understanding your audience, managing expectations, providing accurate information, ensuring smooth human escalation, and recognising that they may supplement, rather than entirely replace, direct human interaction.

Understand Your Business Better Data Analytics & Visitor Insights

1. What are Data Analytics & Visitor Insight Tools?

This category covers a range of tools and techniques used to collect, analyse, and interpret data about your business operations and customer behaviour. The goal is to move beyond guesswork and make more informed decisions based on evidence. Examples include:

- **Website Analytics:** Tools like Google Analytics track how visitors find and use your website (e.g., page views, traffic sources, bounce rates).
- Sales Data Analysis: Using reports from your EPOS or booking system to understand sales trends, popular products/services, peak times, and customer spending patterns.
- **Customer Feedback Analysis:** Systematically collecting and analysing reviews (from OTAs, Google, feedback forms) to identify common themes, positive points, and areas for improvement. AI tools (like Triend) can assist with this.
- **Visitor Tracking:** Technologies like footfall counters (e.g., Nex Count) or Wi-Fi analytics can provide data on visitor numbers, movement patterns, and dwell times within a physical space (though reliability is key).
- **CRM Data Insights:** Analysing data stored in your CRM about guest demographics, booking history, and engagement with marketing efforts.

2. Why Should I Consider It? (Common Problems Solved)

- Unsure which marketing activities are actually driving bookings or visits?
- Making decisions based on gut feeling rather than concrete evidence?
- Struggling to understand why certain products, services, or times are more popular than others?
- Not sure who your most valuable customers are or where they come from?
- Wanting to improve your services but lack clear insights into what customers *really* think?
- Having difficulty predicting demand or managing staffing levels effectively?
- Concerned about bottlenecks or underutilised areas in your physical venue?

Data analytics tools can provide the evidence needed to answer these questions and optimise your operations.

3. How Can It Help My Business? (Key Benefits)

• Informed Decision-Making: Base decisions about marketing spend, pricing, staffing, and service improvements on data, not just intuition.

- Improved Marketing ROI: Identify your most effective marketing channels and target your efforts more precisely.
- Enhanced Customer Understanding: Gain deeper insights into guest demographics, preferences, booking behaviour, and feedback.
- **Optimised Operations:** Identify peak times to adjust staffing, understand visitor flow to reduce bottlenecks, or use sales data to manage stock and reduce waste (as seen with Fisher & Donaldson's EPOS data).
- **Increased Revenue:** Identify opportunities for upselling, cross-selling, or developing new services based on customer behaviour and preferences.
- **Better Customer Experience:** Use feedback analysis to address common issues and tailor offerings more closely to guest expectations.
- Track Performance Over Time: Monitor key metrics to see how your business is performing and measure the impact of changes you make.

4. What Should I Think About Before Choosing? (Key Considerations)

- Start with Questions: What specific business questions do you want data to help you answer? Don't collect data for data's sake.
- Data Sources: What data do you already have access to (website, booking system, EPOS, reviews)? What data might you need to start collecting?
- **Tool Complexity vs. Need:** Many powerful tools exist, but start with what's manageable. Website analytics and reports from your existing booking/EPOS systems are often the best starting point.
- **Skills & Time:** Do you or your team have the time and basic skills needed to interpret the data? Some tools offer user-friendly dashboards, but understanding the insights still takes effort.
- **Reliability (for physical tracking):** If considering tools like footfall counters, rigorously assess their accuracy and reliability in your specific environment. The Dundee Science Centre trial highlighted major issues here.
- Integration: Can data from different sources (e.g., website, booking system, EPOS) be viewed together or easily compared?
- **Cost:** While basic website analytics are often free, more advanced tools, hardware (like counters), or specialised analysis software will have costs.
- **Data Privacy:** Ensure any data collection (especially identifiable customer data) complies with GDPR and other privacy regulations.

5. Getting Started (Practical Next Steps)

- **Define Key Questions:** What are the 1-3 most important things you want to understand better about your business right now?
- Leverage Existing Data: Explore the reporting features already built into your

website platform (e.g., Google Analytics), booking system, EPOS system, and online review platforms. This is often the lowest-hanging fruit.

- Set Up Google Analytics: If you haven't already, ensure Google Analytics (or a similar tool like Matomo EU based) is properly installed on your website. Learn the basics of interpreting its reports (traffic sources, popular pages).
- Explore Website Behaviour Tools: Consider tools like Hotjar (EU) or Microsoft Clarity (Global) for heatmaps and session recordings to understand *how* users interact with your site.
- **Regularly Review Reports:** Schedule time (e.g., monthly) to look at your key data sources. Look for trends, surprises, and actionable insights.
- Systematically Collect Feedback: Encourage reviews and consider simple feedback forms. Explore feedback analysis tools like **Triend** (UK used in trial), **ReviewTrackers** (Global), or **Mention** (EU) for sentiment analysis.
- Visitor Tracking (Use with Caution): If physical insights are critical, research footfall counter providers like Nex Count (UK used in trial) or others, but heavily scrutinise reliability claims and support.

6. Insights from the Tay Cities Trials

- Modern EPOS systems provided rich, actionable sales data that directly led to operational improvements like waste reduction (Fisher & Donaldson).
- CRM systems enabled better tracking and understanding of supporters and members (Murton Trust).
- Al tools for reputation management (Triend) offered a way to synthesise customer feedback trends from online reviews.
- Physical data collection tools like footfall counters require careful validation of their reliability in the specific environment to be trustworthy (Dundee Science Centre).
- The primary challenge often lies not just in collecting data, but in finding the time and skills to interpret it effectively and turn insights into action.

Understanding your data is key to making smarter decisions. Start with the data you already have, focus on answering specific questions, and gradually explore more advanced tools as your needs and capabilities evolve.

Reach More Customers Digital Marketing & Online Reputation

1. What are Digital Marketing & Reputation Management Tools?

This broad category covers the strategies and tools businesses use to promote themselves online, attract customers, and manage how they are perceived. Key elements include:

- Website & SEO: Having a professional, mobile-friendly website and optimising it so potential customers can find it via search engines like Google (Search Engine Optimisation).
- **Social Media Marketing:** Using platforms like Facebook, Instagram, TikTok, etc., to engage with customers, share updates, run promotions, and build brand awareness.
- **Email Marketing:** Building a list of contacts (with permission!) and sending newsletters, special offers, or updates directly to their inbox.
- **Online Advertising:** Paid advertising on search engines (Google Ads) or social media platforms to reach specific target audiences.
- **Content Marketing:** Creating valuable content (blog posts, guides, videos) that attracts and engages potential customers.
- Online Reviews & Reputation Management: Monitoring and responding to reviews on platforms like TripAdvisor, Google, Booking.com, and using feedback to improve. AI tools (like Triend) can help analyse review sentiment and trends.

2. Why Should I Consider It? (Common Problems Solved)

- Feeling invisible online or struggling to attract new customers?
- Unsure how potential customers are finding your business (or failing to find it)?
- Relying heavily on word-of-mouth or traditional advertising with limited reach?
- Not engaging effectively with past or potential customers online?
- Concerned about negative online reviews or unsure how to manage your online reputation?
- Wanting to build a stronger brand presence and tell your story more effectively online?

In today's digital world, having a proactive online marketing and reputation strategy is essential for nearly all tourism and hospitality businesses.

3. How Can It Help My Business? (Key Benefits)

• Increased Visibility: Make it easier for potential customers searching online to find your business.

- Attract More Customers: Reach targeted audiences through social media, search engines, and email marketing.
- **Build Brand Awareness:** Create a recognisable brand and share your unique story and offerings online.
- **Engage with Customers:** Build relationships and loyalty through social media interaction and email communication.
- **Drive Direct Bookings:** Encourage customers to book directly via your website, potentially reducing reliance on commission-based OTAs.
- **Manage Reputation:** Monitor what people are saying about you, respond professionally to reviews (both positive and negative), and build trust.
- **Gather Feedback:** Use online reviews as a valuable source of insight into customer satisfaction and areas for improvement.
- **Measure Results:** Track the performance of your online marketing efforts to see what's working and optimise your spend.

4. What Should I Think About Before Choosing Tools & Strategies?

- **Define Your Audience:** Who are you trying to reach? Where do they spend their time online? This guides which platforms and strategies to prioritise.
- Set Clear Goals: What do you want to achieve? (e.g., increase website traffic, generate more direct bookings, improve review scores, grow email list).
- **Resource Commitment (Time & Money):** Effective digital marketing requires ongoing effort. Do you have the time to manage social media, write content, or analyse results? What is your budget for potential advertising or specialised tools?
- Website Foundation: Is your website professional, mobile-friendly, easy to navigate, and does it clearly communicate your offering and enable booking/enquiry? This is fundamental.
- **Choosing Platforms:** You don't need to be everywhere. Focus on the 1-2 social media platforms most relevant to your target audience.
- **Content Quality:** Ensure your photos, videos, and written content are high-quality and engaging.
- **Review Management:** Have a plan for regularly checking major review sites and responding promptly and professionally.
- **Tool Selection:** Many tools exist. Start with essentials and explore others as needed. Consider ease of use and cost.

5. Getting Started (Practical Next Steps)

• **Optimise Your Online Listings:** Ensure your Google Business Profile, TripAdvisor listing, and any relevant OTA profiles are accurate, complete, and have

high-quality photos.

- **Review Your Website:** Check it looks good and works well on mobile phones. Is key information easy to find? Is there a clear call to action (e.g., "Book Now")? Use Google's free tools to check mobile-friendliness and speed.
- Choose Key Social Platforms: Focus your efforts. Explore social media management tools like **Buffer** (Global), **Hootsuite** (Global), or Later (Global) for scheduling posts. Use design tools like **Canva** (Global) for creating visuals.
- Encourage & Monitor Reviews: Actively encourage reviews. Use tools like Google Alerts (Free) to monitor mentions, or explore dedicated reputation platforms like Triend (UK - used in trial), ReviewTrackers (Global), Mention (EU), Trustpilot (EU), Reputation.com (Global).
- Start an Email List: Use email marketing platforms like Mailchimp (Global), MailerLite (EU), Sendinblue (Brevo) (EU), or Constant Contact (Global). Ensure GDPR compliance for opt-ins.
- **Explore Basic SEO:** Use tools like **Google Keyword Planner** (Free) for keyword research, or explore platforms like **SEMrush** (Global) or **Ahrefs** (Global) for more advanced analysis (often have free limited features).

6. Insights from the Tay Cities Trials

- Businesses recognised the need for better digital marketing and understanding online reputation.
- Al tools for analysing review sentiment (Triend) were explored as a way to quickly identify trends and key feedback points.
- Integrating booking systems with OTAs (Perthshire Wildlife) was seen as a crucial marketing channel to increase visibility.
- Generative AI (like the custom GPT built for Turin Castle) showed potential for creating personalised marketing content.
- The core challenge often remains finding the consistent time and resources to dedicate to ongoing digital marketing activities alongside daily operations.

Building a strong online presence and managing your reputation takes consistent effort, but it's vital for attracting and retaining customers. Start with the foundations and gradually build your activity on relevant platforms.

Work Smarter: Al for Operational Efficiency

1. What is AI for Operational Efficiency?

This refers to using Artificial Intelligence tools to streamline internal business processes, automate repetitive tasks, generate content, or provide insights that help you run your operations more smoothly and effectively. Unlike customer-facing AI (like chatbots), this focuses on back-office or internal functions. Examples include:

- **Content Generation:** Using generative AI tools (like ChatGPT, Claude, Google Gemini) to draft emails, social media posts, website copy, marketing materials, reports, or even personalised itineraries (as trialled by Turin Castle).
- **Process Automation (AI-Powered):** While simpler automation often uses tools like Zapier/Make, AI can sometimes enhance these workflows or enable more complex automation based on understanding context or data patterns. (Aphy explored this with some businesses).
- Data Analysis & Summarisation: Using AI to quickly analyse data sets, summarise long documents or reports, or extract key information. Tools like Google NotebookLM can help organise and query your own documents.
- **Predictive Analytics:** More advanced AI applications that attempt to forecast demand, predict customer behaviour, or optimise pricing based on historical data (related to the AI ordering interest at Fisher & Donaldson).

2. Why Should I Consider It? (Common Problems Solved)

- Spending significant time writing repetitive emails, social media updates, or basic website content?
- Needing to create personalised documents (like itineraries or proposals) quickly and efficiently?
- Feeling overwhelmed by large amounts of information (reports, feedback, research) and needing summaries?
- Looking for ways to automate internal workflows beyond simple task connections?
- Wanting to make more data-driven forecasts or operational decisions but finding manual analysis too complex?

Al tools offer potential ways to tackle these internal efficiency challenges.

3. How Can It Help My Business? (Key Benefits)

• Save Time on Routine Tasks: Automate the drafting of standard communications, reports, or marketing copy.

- Increase Content Output: Generate ideas and first drafts for blogs, social media, or website updates more quickly.
- Enhance Personalisation: Efficiently create tailored content like itineraries or proposals based on specific inputs (Turin Castle example).
- Improve Internal Efficiency: Streamline workflows and reduce time spent on manual information processing or analysis.
- Unlock Insights: Quickly summarise complex information or identify patterns in data that might otherwise be missed.
- **Support Decision-Making:** Provide data-driven insights or forecasts to inform operational planning.

4. What Should I Think About Before Choosing? (Key Considerations)

- Accuracy & Verification: Al-generated content *always* needs human review and editing for accuracy, tone, and factual correctness. Never use it blindly.
- Data Privacy & Confidentiality: Be extremely cautious about inputting sensitive customer or business data into public AI models. Understand the tool's data usage policies.
- **Cost:** Many generative AI tools have free tiers, but advanced features or higher usage often require subscriptions. Process automation tools also typically have tiered pricing.
- Skills & Training: Learning how to write effective prompts ("prompt engineering") and critically evaluate AI output takes practice.
- Integration: How easily can AI tools integrate into your existing workflows?
- **Specificity vs. Generality:** Generic AI models might need significant guidance (prompts, context) to produce relevant output. Custom-trained models (like Turin Castle's GPT) offer more specificity but require more effort/expertise.
- **Over-Reliance:** Avoid using AI as a complete replacement for human judgement, creativity, or strategic thinking.

5. Getting Started (Practical Next Steps)

- Identify Time-Consuming Tasks: Pinpoint internal tasks involving writing, summarising, or routine data handling where AI could potentially assist.
- Experiment with Public Generative AI: Try free versions of ChatGPT (OpenAI -Global), Claude (Anthropic - Global), Google Gemini (Global), or Microsoft Copilot (Global) for low-risk tasks. Learn how prompts influence results. Explore AI writing assistants integrated into tools like Notion or Google Workspace.
- Explore Organisational AI Tools: Look at tools like Google NotebookLM (Global) or similar platforms that allow you to use AI to query and summarise *your own* uploaded documents privately.

- Focus on No-Code Automation First: For workflow automation, explore user-friendly platforms like Zapier (Global), Make (formerly Integromat) (EU), or IFTTT (Global) before considering complex AI automation. (Aphy provided training on these in the workshop).
- Focus on Assisting, Not Replacing: Use AI to create first drafts, generate ideas, or handle repetitive parts of a task, always ensuring human oversight and refinement.
- **Develop Prompting Skills:** Practice writing clear, specific prompts that provide context and define the desired output format and tone.

6. Insights from the Tay Cities Trials

- Al proved highly effective for specific, well-defined efficiency tasks like generating personalised itineraries quickly when trained with the right business information (Turin Castle).
- Exploring process automation revealed that accessible no-code tools (Make, Zapier) are often a more practical starting point for SMEs than complex, enterprise-level AI automation.
- Businesses showed interest in AI's potential for predictive tasks (like ordering forecasts), but practical implementation requires robust data and careful validation.
- The key challenge often lies in understanding how to effectively prompt and guide AI tools to produce useful, accurate results for specific business needs, and integrating them safely into workflows.

Al offers powerful possibilities for improving internal efficiency, but it requires a thoughtful approach. Start with specific, low-risk tasks, prioritise human oversight, be mindful of data privacy, and focus on using AI as an assistant to augment your team's capabilities.

Exploring the Future: Robotics in Tourism & Hospitality

1. What is Robotics in this Context?

When we talk about robotics in tourism and hospitality, we mean using physical machines to perform tasks previously done by humans. This could range from relatively simple, single-task automation (like automated drinks dispensers or specific food preparation steps) to more complex, potentially mobile robots designed for cleaning, delivery, or even basic guest interaction. It's distinct from purely software-based automation as it involves physical machinery.

2. Why Might I Consider It (Looking Ahead)?

While widespread adoption in SMEs is currently limited, businesses might look towards robotics in the future to potentially:

- Address persistent labour shortages in specific, highly repetitive roles?
- Ensure absolute consistency in certain quality-critical tasks?
- Handle physically demanding or undesirable jobs?
- Introduce a novelty factor or futuristic element?
- Operate certain functions consistently around the clock?

For most SMEs today, this remains largely aspirational due to cost and complexity.

3. How Could It Help My Business? (Potential Benefits)

If the significant challenges could be overcome, potential benefits might include:

- **Task Consistency:** Robots excel at performing the exact same repetitive task perfectly every time.
- Efficiency for Specific Tasks: Can operate continuously without breaks for highly defined, repetitive jobs.
- **Operational Data:** Robotic systems often generate detailed data about their performance.
- Novelty & Marketing: Can be a talking point (though novelty can wear off).

4. What Should I Think About Before Exploring? (Key Considerations - *Crucial for SMEs*)

Realism is vital, especially for smaller businesses:

• **High Capital Cost:** Robots represent a very significant upfront investment, often far beyond SME budgets.

- **Space & Infrastructure:** Robots often require specific layouts, clear pathways, charging stations.
- Integration Complexity: Linking robotic systems with existing operational software can be complex.
- **Maintenance & Skills Gap:** Robots require specialised maintenance. Access to technicians and staff skills are major barriers.
- **Suitability for Tasks:** Robots are best for predictable, repetitive physical tasks, struggling with adaptability or nuanced human interaction core to hospitality.
- **Safety:** Ensuring safe operation alongside staff and guests is paramount.
- **Return on Investment (ROI):** Achieving a positive ROI is extremely challenging for most SMEs currently.

5. Getting Started (Practical Exploration Steps)

Focus should be on *assessment* and *simpler automation* rather than immediate robotic implementation:

- Identify Highly Specific Bottlenecks: Pinpoint *extremely* repetitive, simple physical tasks where consistency is paramount.
- Explore Simpler Automation First: Could the task be addressed with much cheaper, simpler mechanical automation? (e.g., The Ubemilk system trialled by Dook Cafe successfully automated one specific task). Consider automated guided vehicles (AGVs) for simple transport tasks in larger venues, or automated vacuum cleaners.
- Seek Expert Consultation: Engage with organisations like the National Robotarium (UK - as used by Wasted Degrees Brewing), Manufacturing Technology Centre (MTC) (UK), or Fraunhofer Institutes (EU) for realistic assessments *before* investing. Look for university research partnerships.
- Research 'Cobots': Investigate collaborative robots (from providers like Universal Robots (Denmark), ABB (Switzerland), FANUC (Japan)) designed to work alongside humans, but be aware they still represent significant cost/integration challenges.
- **Stay Informed:** Monitor technology developments costs may decrease, and capabilities may improve. Look at industry case studies (often from larger hotel chains or food service groups initially).

6. Insights from the Tay Cities Trials

- Targeted, single-task automation (like the Ubemilk system for milk preparation at Dook Cafe) proved successful where it addressed a specific bottleneck.
- Expert consultancy (National Robotarium for Wasted Degrees Brewing) was valuable for providing a realistic assessment, clearly highlighting the significant

cost and skills barriers currently placing complex robotics beyond the practical reach of most SMEs.

Robotics holds future potential, but for most tourism and hospitality SMEs today, the significant barriers mean focusing on optimising processes and leveraging more accessible digital tools is likely to yield far greater returns. Monitor developments, but approach with caution.

Making Tech Work: Implementation & Getting Your Team On Board

Choosing the right technology is only half the battle; implementing it successfully and getting your team to use it effectively is just as crucial. Our programme highlighted that implementation friction and human factors are common hurdles. Here's how to navigate them:

1. Plan Your Rollout Carefully:

- **Don't Rush (If Possible):** While business demands action, rushing implementation without proper planning increases the risk of errors and frustration. Factor in realistic timelines.
- **Phased Approach?** Can you introduce the new system in stages? E.g., Trial it in one department or location first (like Fisher & Donaldson did with their EPOS), or introduce basic features before rolling out advanced ones.
- **Data Migration:** If moving data from an old system (e.g., customer lists, product catalogues), plan this meticulously. It's often more time-consuming than expected. Is help available from the supplier?
- **Contingency:** What's your backup plan if things go wrong during the switchover? Can you run old and new systems in parallel for a short period?

2. Choose Suppliers Wisely (Focus on Support):

- Technology *will* have glitches or require troubleshooting. Assess the level and responsiveness of technical support offered by the provider *before* you commit.
- Ask potential suppliers about their onboarding process and what support they provide during setup. On-site support during initial rollout was invaluable for some businesses in our trials (e.g., Fisher & Donaldson).
- Check reviews or ask for references specifically regarding the quality of their customer support.

3. Prioritise Staff Training & Communication:

- **Involve Your Team Early:** Explain *why* the change is happening and what the benefits are (for them and the business). Address their concerns openly.
- **Provide Adequate Training:** Ensure staff feel comfortable and confident using the new system. This might involve formal training sessions, user guides, or appointing internal 'champions' to help colleagues. Don't assume everyone learns at the same pace.
- **Clear Communication:** Keep the team updated on timelines, progress, and any changes to their workflows. Create a channel for them to ask questions or report

issues easily.

4. Manage Change & Expect Resistance:

- Change can be unsettling. Some staff might be resistant, especially if they are comfortable with old methods or fear the technology makes their skills redundant (as seen initially at Dook Cafe).
- Listen to Concerns: Acknowledge worries and highlight how the tech is intended to *help* them (e.g., reduce repetitive tasks, make jobs easier), not replace them.
- **Highlight Early Wins:** Showcase how the new system is improving things, even in small ways, to build momentum and positivity.
- **Be Patient but Firm:** Allow time for adjustment, but be clear about the expectation that the new system will be used. The experience at Dook Cafe showed persistence paid off.
- **Build Resilience:** Consider how to ensure system knowledge isn't held by only one person, mitigating risks from staff churn (a challenge noted in the sector). Cross-training can help.

Why This Matters:

A smooth implementation and engaged team are critical for realising the benefits of new technology. Poor implementation leads to errors, frustration, and low adoption, meaning wasted investment.

- **Reduces Downtime:** Good planning minimises disruption to your operations.
- Increases Adoption: Well-trained, informed staff are more likely to use the system effectively.
- Maximises ROI: Ensures you actually get the benefits the technology promises.
- Improves Morale: A well-managed change process is less stressful for everyone involved.

Think of implementation not just as installing software, but as managing a change process involving people, processes, and technology together.

Staying Safe & Compliant: Data Privacy Essentials

Whenever you adopt new technology that handles information about people – whether it's customer booking details, staff records, or email marketing lists – data privacy becomes a critical consideration. In the UK and Europe, the General Data Protection Regulation (GDPR) sets the rules. Getting this wrong can lead to hefty fines and damage your reputation. Here are some essentials for SMEs:

1. Understand the Basics of GDPR:

- Lawfulness, Fairness, Transparency: Be clear about why you're collecting data and how you'll use it. Have a privacy policy easily accessible (e.g., on your website).
- **Purpose Limitation:** Only collect data for specific, explicit purposes you've stated. Don't collect more than you need.
- Data Minimisation: Only hold the data you actually need for the purpose you collected it for.
- Accuracy: Take reasonable steps to keep data accurate and up-to-date.
- **Storage Limitation:** Don't keep personal data forever. Delete it when it's no longer needed for the original purpose.
- Integrity & Confidentiality: Protect the data! Use appropriate security measures to prevent unauthorised access, loss, or damage.
- Accountability: You are responsible for demonstrating compliance with these principles.

2. Key Considerations When Adopting New Tech:

- What Data is Being Collected? Understand exactly what personal information the new system (CRM, booking tool, marketing platform, etc.) will gather and store. Does it collect sensitive data?
- Why is it Being Collected? Ensure you have a clear, lawful basis for collecting that data (e.g., necessary to fulfil a booking contract, consent for marketing emails).
- Where is the Data Stored? Know where the technology provider stores the data (e.g., UK, EU, USA?). Data transfers outside the UK/EEA have specific rules. Check the provider's policies.
- Security Measures: What security does the technology provider have in place to protect the data they process for you? Look for information on encryption, access controls, etc.
- Provider's GDPR Compliance: Check the provider's terms and conditions and

privacy policy. Do they state they are GDPR compliant? Do they act as a 'Data Processor' under GDPR rules, following your instructions?

- Data Access & Deletion: How easily can you access customer data within the system if someone makes a request (e.g., to see their data or have it deleted)? How is data permanently deleted?
- **Consent Mechanisms (Especially for Marketing):** If using tech for email marketing or similar, ensure it includes clear consent mechanisms (e.g., opt-in checkboxes, easy unsubscribe options) that comply with GDPR and PECR (Privacy and Electronic Communications Regulations). Never assume consent.

3. Practical Steps for SMEs:

- **Appoint Someone Responsible:** Even in a small team, designate someone to oversee data protection matters.
- Create a Simple Privacy Policy: Explain what data you collect, why, how you use it, how long you keep it, and people's rights. Put it on your website.
- **Review Your Data:** Understand what personal data you currently hold and why. Delete anything you no longer need.
- **Train Your Staff:** Ensure anyone handling personal data understands the basics of GDPR and your internal procedures.
- **Check Supplier Contracts:** When signing up for new tech, review the data processing terms. If unsure, seek advice.
- **Keep Records:** Maintain basic records of your data processing activities (what data, why, where stored, security measures).
- **Plan for Requests:** Know how you would handle a subject access request (someone asking for their data) or a deletion request.

Why This Matters:

- It's the Law: Non-compliance can lead to significant fines from the Information Commissioner's Office (ICO).
- **Builds Customer Trust:** Demonstrating you handle personal data responsibly enhances your reputation.
- **Reduces Risk:** Good data handling minimises the risk and impact of potential data breaches.

Data privacy isn't just an IT issue; it's a fundamental business responsibility. When adopting new technology, always ask how it impacts the personal data you handle and ensure both your practices and your chosen tools are compliant. If in doubt, the ICO website offers extensive guidance for small businesses.