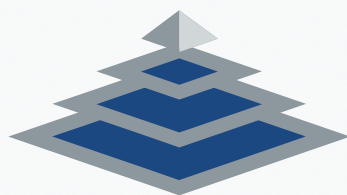




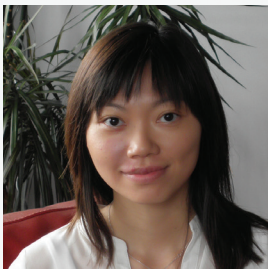
## Engineering Services



DORSET SOFTWARE

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# Contact Us



Our work has assisted many engineering and scientific organisations to meet and exceed their goals.

A member of our account management team is waiting to take your call, offering experience-led consultation on how to deliver success for modern scientific and engineering organisations.

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# About Dorset Software



Dorset Software specialises in creating custom IT systems helping scientific and engineering companies to deliver innovative services, increase operational efficiency and perform crucial research.

**It is able to assist in the automation of processes for which there exists no off-the-shelf solution, across a diverse range of applications including aerospace, heavy manufacturing and consumer electronics.**

Besides the development of bespoke systems, Dorset Software also offers software development consultancy to a string of multinational companies in the sector.

It has delivered infrastructure support for processes as diverse as traffic management, audited manufacturing and urban infrastructure maintenance. This work is delivered by knowledgeable, pro-active staff boasting decades of industry experience.

With a 100% track record of delivering projects on time and to an agreed budget, its solutions always meet - and often exceed - client expectations.

Dorset Software's tried-and-tested development methodology has underpinned 25 years at the heart of science and technology.



# Engineering Services

## Maintaining crucial infrastructure

**Dorset Software has assisted with complex civil engineering projects, providing enhanced visibility over maintenance issues in the urban outdoor environment. It has developed solutions utilising Android tablet devices to provide incident logging functionality in the mobile space.**

This work allows field agents employed by local authorities to create detailed civil infrastructure maintenance reports, directly from the roadside. Workers are invited to furnish entries with multimedia evidence, enhancing both the quality of stored information, and its ease of access.

Mobile functionality delivers several key benefits to large organisations. It allows a larger volume of information to reach the hands of decision-makers more swiftly. It also introduces efficiency, reducing the need for paperwork or time-consuming visits to central office locations.

All application features are delivered through ergonomic interfaces, designed to broaden adoption through their accessibility and familiarity. For this reason, Dorset Software systems often stimulate adoption among both technical and non-technical staff members.





# Delivery



*"Bespoke software systems allow organisations to gain the transparency required to innovate."*

**Simone,  
Project Manager**

## Making cities flow

**Dorset Software has produced systems capable of delivering live traffic management functionality via a Software as a Service model. Its solutions enable local authorities to intelligently manage local congestion, through integration with pre-existing software frameworks.**

Dorset Software's work has allowed for the efficient administration of variable message sign units; deployed at the roadside to direct traffic flow. Its systems allow messages to be entered, overridden or scheduled, through use of a dedicated mobile app. Technical faults can also be remotely - and instantly - identified.

Local councils can now implement more intelligent parking occupancy management, as a result of Dorset Software's development. Its solutions allow entire networks to be managed from centralised locations. Through the use of real-time reporting functionality, operators are able to direct traffic away from locations where it may cause disruption. Powerful tools allow locations to be grouped and traffic flow diverted from larger geographical areas.

Dorset Software also has expertise in the production of mobile applications that provide interfaces for urban infrastructure systems. Through their use, organisations gain greater incident visibility and the capacity to react quickly to emerging data trends.

# Engineering Services



## Totally traceable production

**Dorset Software developers have experience in the production of labelling systems compliant with strict international legislation and stringent good practice guidelines.**

Systems produced by its consultants have been augmented to accommodate a host of specific requirements. These include heavily customised workflows, large data volumes and sophisticated import/export functionality.

Dorset Software's work has assisted in the creation of complete approval frameworks, providing enterprise-wide visibility. Auditing extends to the design, submission, approval, printing and reprinting of all sensitive labelling.

Dorset Software has also produced batch manufacturing systems capable of controlling pharmaceutical recipes. Their use has provided structure and consistency to the manufacture of medical compounds.

Finally, Dorset Software has consulted on the approval process of product literature within contemporary manufacturing environments. This work has allowed clients to realize greater efficiency and to remain at the cutting edge of audited manufacturing techniques.

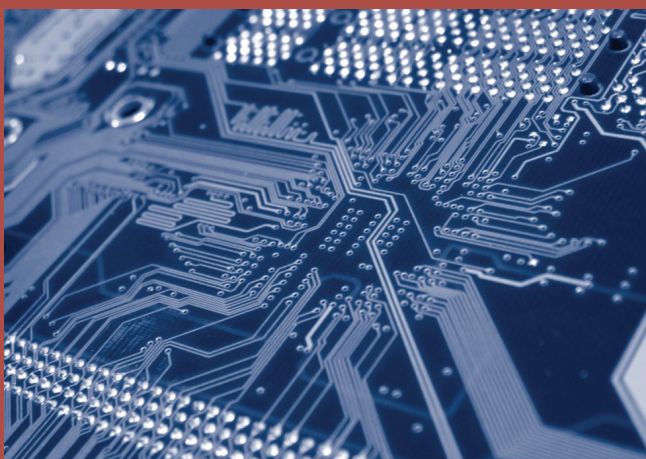


# Manufacturing

## A route to market

**Dorset Software has operated in direct partnership with electronics manufacturers, providing consumer applications for a string of scientific devices. This work drives products to market across sectors as diverse as catering, construction and research.**

Dorset Software produces applications to facilitate the operation of proprietary electronic devices, from the prototype stage, if required. It is also able to produce user interfaces appropriate for a variety of audiences, from the general public to seasoned specialists. Its ergonomics team has extensive expertise in the creation of tailored user experiences.



*We are able to assist with bespoke electronic manufacturing projects requiring software development.*

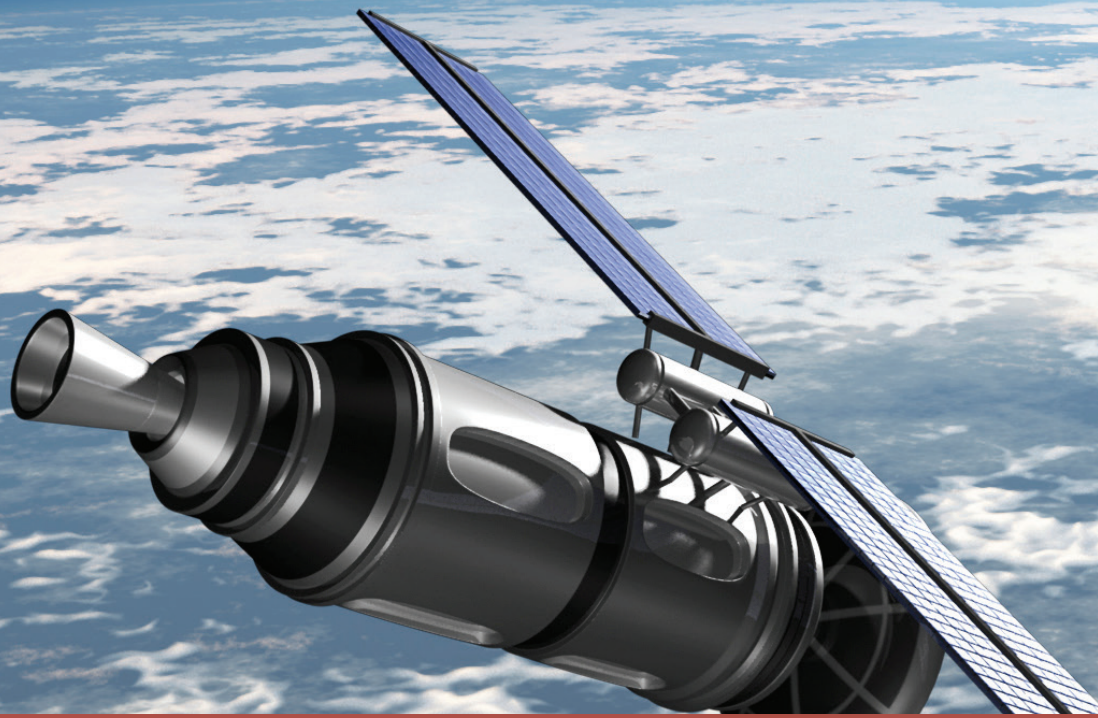
Dorset Software is able to develop custom reporting functionally for such devices. These can be delivered via bespoke applications or through integration with pre-existing systems.

Through involvement with all phases of product development, it is able to construct complete scientific measurement solutions, to order.



*Our work helps to safeguard consumers through the creation of robust and highly traceable labelling solutions.*

# Engineering Services



## Environment-independent availability

**Dorset Software has operated in partnership with suppliers of analytical instruments and services, assisting in the fulfillment of highly specific requirements. Its expertise allows clients to overcome significant technological hurdles during pioneering work.**

Dorset Software developers have formulated systems capable of synchronizing database contents across network infrastructure experiencing high latency. Such requirements arise as a result of analytical processes performed both within traditional laboratory environments and in the field.

Synchronous data transfer via satellite connection can result in an unacceptable error rate. Dorset Software's solution utilises asynchronous communication methods, replicating large databases separately for reconciliation at one physical site.

Advanced error handling techniques ensure the successful duplication of all information. Hence communication links can be maintained, even via unreliable channels.

Dorset Software's expertise often allows additional requirements to be met, such as the retention or re-use of integral code segments, or the integration of such projects within wider software systems.

*"Our work allows clients to overcome significant technological hurdles during pioneering projects."*

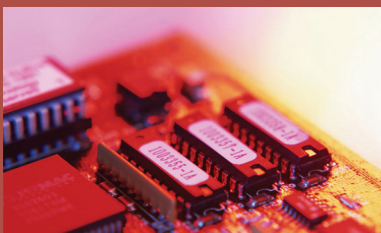


# Innovation



## In flight, in touch

Dorset Software's work is instrumental in the delivery of cutting-edge aerospace communications technology. Today, systems developed by its consultants allow aircraft to remain in communication via satellite link, throughout live manoeuvres and despite deployment to the harshest of environments.



## Unified hardware solutions

Through high-level process analysis, Dorset Software is able to deliver powerful infrastructure reform. It has undertaken projects to integrate the configuration of all hardware devices across a network into one user interface.



## Nurturing future talent

Dorset Software has assisted in the improvement of graduate recruitment within science and engineering. Working in partnership with trade and industry bodies, it has produced web applications connecting employers, universities, undergraduates and professional institutions, nationwide.

# Case Study



## The challenge

**Back in 1996 with a large programme of work, RM was just beginning to master a new and immature development skill set.**

To bolster its efforts and help ensure that projects were completed on time, RM needed a source of development expertise in the new tools and technologies.

RM turned to the market to identify a company that could provide experienced and proficient temporary developers. More recently, the IS department needed flexible resources to complement its in-house, permanent development team. RM needs to be able to access reliable, skilled developers on demand.

## The solution

**RM wanted a company that could provide development expertise, could respond very quickly to requests for temporary skilled developers and with whom RM could build a long-term relationship.**

Chris Clements, IS Director at RM explains the choice: "We selected Dorset Software as they provided a guaranteed source of technical quality. We wanted to build a relationship with a company which invests in its resources, training its staff not only in development skills but also in 'softer' skills and Dorset Software proved ideal. Even though our requirements have changed we still continue to use Dorset Software."

*"We have developed an excellent relationship with Dorset Software. It is honest and easy to do business with."*

**Chris Clements, Director, RM Education**

## The benefits

Using Dorset Software developers has brought many benefits to RM. "Using developers from Dorset Software, as and when we need them, allows us to work to capped budgets and easily manage the peaks and troughs of demand. It is an effective way of recruiting highly skilled, temporary development resources."

He adds "Working with Dorset Software helps us to achieve seamless continuity: to ensure the machine keeps working and the wheels keep turning. It also enables us to increase productivity and guarantee that projects will be completed on time."



# Some Of Our Clients



*"Dorset Software provides excellent infrastructure support to some of our clients across the retail sector. We'd have no hesitation in recommending their services to other business partners."*

***John McMeeking, UK Managing Director, Psion UK Ltd***



*"We are more than happy with the service and support we have received from Dorset Software."*

***Tom Fothergill, Director of Finance, NHS Resolution***



*"Dorset Software is a great business partner. The quality of their work is excellent and product delivery is timely. You really feel like they are here to make your life easier."*

***Fabian Staechelin, Partnerships Manager, eBay***



*"Dorset Software was very conscious of the need to ensure that we got what we wanted. They weren't just thinking of the 'now'."*

***Kevin Hayter, IT Project Manager, London Borough of Wandsworth***



*"We enjoy a great relationship with Dorset Software. Everyone that we come across is highly competent and professional."*

***Andy Gabella, Training Design & Production Manager, Waitrose***

# Get In Touch

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