

DaCar Inc

CAPABILITY PROFILE

Transforming data into information



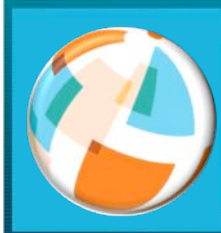
Who we are...

DaCar Inc is an independent Information Technology (IT) consulting company specializing in creating agile, flexible and cost effective customer solutions.

Customers include the US and UK governments, as well as a number of commercial organizations. In the last 20 years we have supported a wide range of customers in areas ranging from business analysis to software development.

DaCar personnel are highly experienced individuals with extensive expertise in the fields in which they work. Our work has been recognized with a number of awards and has led to the publication of a number of technical papers.

Our unique approach to systems development sets us apart. We have had considerable success with organizations, both large and small, in creating solutions that work for them and that are both imaginative and functional. We have done this by creating integrated teams that bring together users, developers and managers. Solutions are developed incrementally, limiting risk and providing customers with the best solution in a cost effective way.



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Sample projects

Data Fusion

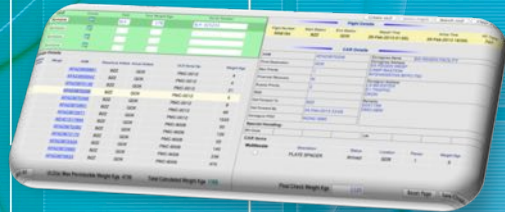
By drawing data from a wide variety of sources, we created an application that is both powerful and very easy to use. A map is used to display the location of thousands of aircraft, ships and trucks in real time, using information gathered from various government and industry systems. This display is fused with data from other systems (such as consignments, warehouse information, barcode and RFID reads). Users can easily search and locate assets with a simple one line search capability, display current status and receive live email updates of key events.

Transportation and logistics

Faced with a failing and over budget program to create a replacement aircraft cargo planning and loading application, the DaCar team was asked to step in and help quickly develop a solution in time to replace the old software that was being decommissioned. Within a few months, using agile development methods, a new system was put in place at a fraction of what had already been spent on the failed system. This development not only helped the government customer stay 'in business' at a critical time, but was also recognized by Harvard University's Kennedy School of Government under "Bright Ideas in Government" as a program that represents one of the "most creative public sector initiatives".

Asset Tracking

Worldwide tracking of assets requires a range of solutions, from barcodes to GPS and RFID tags. This, coupled with information 'locked' inside corporate systems, can be used to effectively create a solution. The DaCar team has worked in support of DOD, MOD and commercial customers to create viable solutions. In general we have found this to be a process of not only tying together existing data sources, but also working to improve the quality of the data being received. Often, it not a question of lack of data. Rather, the data is of very poor quality. The DaCar team has worked with users to address data quality issues by creating solutions that provide real value, especially to those users responsible for entering the information. We have also built software that is capable of receiving RFID data from dispersed readers, providing status and health information on the network of readers and sharing tag read information with other governments in a secure manner.



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More sample projects

Risk Analysis

As part of our work supporting risk analysis for various government agencies (DOD, FAA, MOD), we developed a methodology for 'risk based decision support'. This has been used to support several projects - from selecting the 'best' product to assessing the benefits of different business and operational alternatives. A paper detailing this innovative approach was presented at the 11th World Conference in transport Research, Berkeley University, CA.

Modernization

We have supported the modernization of IT systems and network infrastructures. Most recently, we have been involved in modernizing a legacy mainframe based aircraft maintenance system. Like so many industry systems, when first developed, only a mainframe was capable of supporting a distributed environment with thousands of users. However, today, web based hosted solutions support large numbers of users located across the world. While moving off the mainframe will save a great deal of money, achieving this is complex from an IT perspective. The DaCar team has been involved in developing and implementing practical solutions that keep the best of the legacy software but also migrates to a web based solution. This modernization will also mean that users will now be provided with up to date solutions, including disconnected tablet based applications and advanced data analysis software.

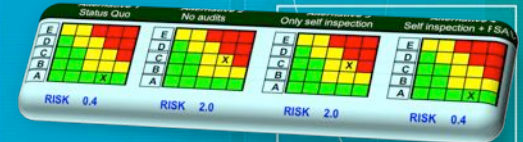
Security

The DaCar team are actively involved in putting in place and supporting security solutions for customers, including the DOD, the FAA, the MOD and commercial organizations.

App development

We are supporting the development and distribution of enterprise wide 'apps' that run across multiple platforms (IOS, Android). We do this by using HTML5 based development, that can be compiled to standalone apps. For example, for the FAA we developed an app for inspectors to use on a tablet while disconnected from a Wi-Fi network.

The above is only representative of some of the many projects that we have been involved with.



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What makes us different?

At DaCar, we spend a significant amount of time making sure that we are familiar with and able to use the latest technologies. We also closely monitor the way that technologies are changing and which ones are being adopted.

Our approach is cooperative. Our teams are made up of senior and highly skilled individuals that will work with you.

Because every problem is different, we understand that you are best placed to know what is needed. Rather than relying on older approaches that 'throw the problem over the wall' and expect solutions to come back (that approach very seldom works), we rely on you being an integral part of the team. This leads to better and more cost effective solutions that are much more likely to be embraced by users.

We have developed a methodology to progress projects through an enterprise. Based on the agile development approach, we have extended this to include change management and cost control throughout a project.

In other words, we work with you and believe that you are part of the solution. To your understanding of the problem, we bring innovation and 'outside of the box' creativity. We are then able to build solutions that are elegant, creative, flexible, cost effective, useful and practical.

Reaching us

DaCar has offices in the USA and UK. Our UK subsidiary is called *Advanced Technology Consulting Ltd.*

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