



CCTV Solutions

- on the Ground, in the Air, on the Move

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Introduction to AD Group



AD Group was established in 1997, its primary objective being to create and bring to market leading edge CCTV solutions. The pioneering nature of the Group's products, with the emphasis very much on R&D, has undoubtedly been a critical element in AD's success to date.

AD's growth has been remarkable, with turnover soaring from £930k in 1998 to £93 million in 2004, a fact recognised when the Group came out on top in the prestigious Deloitte Indy 100 award for the UK's fastest growing companies.

Shared Technology Base

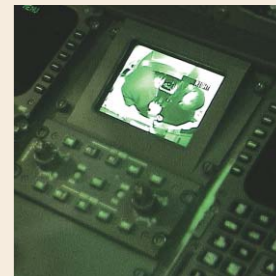
The principal shareholder of AD is Mike Newton who founded UK CCTV giant Dedicated Micros in 1982 which ranks No1 globally for multi channel digital video recorders. In 2001 Dedicated Micros became an integral part of AD Group. Since that time all AD companies have been able to take advantage of a shared technology base, offering the potential for flexible CCTV solutions on the ground, in the air and on the move. Members of AD Group include: AD Aerospace, AD Aviation, AD Network Video, Dennard, DM, RemGuard, TSS and TES.

Diverse Range of Applications

One of the first companies to embrace the concept of video over IP, AD's interests now include CCTV systems for aircraft, transport, smoke detection, together with camera technology and digital video recorders and multiplexers.

The Group is firmly committed to the implementation of effective CCTV standards and its senior personnel play an active role in key industry bodies, helping to drive best practice in critical areas from detector activated CCTV (BS 8418:2003) to digital video evidence.

Beyond CCTV the Group's interests include the operation of an aircraft charter business to destinations across Europe and sponsorship of global motorsport, supporting entrants in prestige events such as the Le Mans 24 Hours.



Innovation on a Global Scale

The philosophy of AD Group founder Mike Newton is one of constant innovation, with the flexibility to rapidly move from the drawing board to a physical product, to meet the demands of customers worldwide.

Even if competitors attempt to copy what the Group is doing, Mike is confident that by the time they bring their solutions to market, AD will have moved on, maintaining a competitive advantage.

"We're pioneers in the industry, when we innovate it's not by adding a whistle or bell to a box but by introducing something genuinely new."

Whatever area the Group commits its energies to, from leading edge CCTV systems for aircraft to video smoke detection: it soon establishes itself as a force to be reckoned with.

Take a trip on a transatlantic jet, for example, and one of AD's subsidiaries could very well have supplied the equipment to detect a fire in the terminal building; video servers dropped into the airport's IT network to monitor your progress as a passenger through to the gate; mobile CCTV recorders to keep track of groundside vehicles and, when on board, specialised internal cameras/recorders to monitor the cabin environment and, externally, to ensure that the undercarriage has deployed correctly.



For the individual companies which make up the Group, the real practical benefit they gain from the AD link is the ability to tap into a common technological base. A good example is 'NetVu Connected' the software technology DNA from AD which is now at the very heart of the very latest range of networked video over IP security solutions from Dedicated Micros. DM's DV-IP products with 'NetVu Connected' are able to take IP connectivity to another level, offering truly scaleable solutions that encompass integrated video capture, recording, transmission and viewing.

The powerful NetVu client/server software has already proven its worth embedded in a diverse portfolio of AD Group systems, whether TransVu to monitor school buses, FlightVu to keep cockpit doors secure on international passenger aircraft or SmokeVu to detect smoke in a cargo hold. The fact that it is now possible to use the same software to display images from any combination of these systems is one step on the way to realising a future vision of 'any camera, from any moment in time, on any screen, anywhere in the world.'



Aircraft Video Systems for Security, Safety and Entertainment

AD Aerospace of Manchester, England and Atlanta, USA, designs and manufactures the FlightVu range of aerospace video products, including state-of-the-art video security, safety and entertainment systems. In addition to general security applications such as threat detection, physical security and access control, these systems can be used for monitoring activity in the cockpit, passenger cabin, external control surfaces, and for cargo hold surveillance.

AD Aerospace was founded in 1995. The first aerospace certified video server was produced for a Defender system for Lufthansa Technik in 1999 and the 8th generation video server is now under development.

A major milestone for AD Aerospace was achieving Boeing approved supplier status in early 2001 with the order to fit a video smoke verification system to the entire Swiss Air MD-11 fleet. This was carried out in response to the Peggy's Cove disaster and consisted of environmentally protected cameras being fitted throughout inaccessible areas of the aircraft such as the cargo hold, cabin overheads and avionics bay.

Cabin and Flight Deck Security

In November 2001 AD Aerospace received the first order for video cameras for cockpit door security from JetBlue which would become the first fleet wide fit of a Cockpit Door Monitoring System. These CabinVu systems are now fitted on many more airlines such as easyJet, Britannia, bmi, Hapag Lloyd, MyTravel and Corsair.

CabinVu enables the flight deck crew to view the area outside the flight deck door, assess any situation and identify personnel before allowing them access to the cockpit. This has become much more important following JAA, FAA and ICAO rulings on the fitting of intruder resistant flight deck doors and provides a solid basis for decision making in critical and life threatening situations.

This "entry level" system, consisting of video cameras located over the cockpit door and in the galleys linked to a monitor on the flight deck, is expandable to a full "FlightVu Witness" system, extending the camera coverage throughout the passenger cabin. The complete Witness system uses a FlightVu digital video recorder/server to record the images for future use in investigation, analysis and prosecution, and can also be seamlessly integrated with ground based security systems, using wireless "Gatelink" connections to the airport terminal.



A Wider View

The other systems in the FlightVu range provide security in cargo holds and for parked aircraft or enhance safety with video smoke detection. FlightVu entertainment systems offer IFE (In Flight Entertainment) even on short haul flights with MPEG video servers giving destination information and external cameras mounted on the tail and fuselage providing everyone with "window seat" views.

Video for Accident Recorders

In conjunction with a major manufacturer of Air Accident Recorders AD Aerospace is working to satisfy the National Transportation Safety Board (NTSB) requirements for a new generation of accident recorder, which would cover video in the cockpit as well as the traditional audio and data recordings. In carrying out this work, the company is working with the European Organisation for Civil Aviation Equipment (EUROCAE) and is instrumental in driving the specifications of future systems.

AD Aerospace is a CAA/EASA approved designer and manufacturer of video camera systems for commercial aerospace, and is an approved supplier to The Boeing Company.

Keeping an Eye on Fire

AD Group is pioneering advanced image-processing technology through SmokeVu. When fitted in an aircraft's cargo hold, using specialist software and high sensitivity monochrome video cameras, enhanced by infrared illuminators, SmokeVu can detect smoke faster and more reliably than conventional detectors, and automatically alert the flight deck. The speed and accuracy of the alarm means the aircraft crew is alerted sooner and is therefore better placed to make decisions affecting passenger and cargo safety, as well as having a smaller and more controllable fire to deal with.

Advanced Image Processing

AD Aerospace's SmokeVu is a Video Smoke Detection and Analysis system, which uses intelligent software to differentiate between smoke and false alarm triggers such as haze/humidity, even under the high vibration environment of a Freighter airliner. This software is installed on the state-of-the-art digital video processor, which can then alert the flight deck crew to the presence of smoke.



As the SmokeVu detection method does not rely on smoke particles travelling to the detector, detection can take place long before conventional smoke detectors that rely on detection of particle matter. SmokeVu "takes the detection to the smoke". This leads to better decision making, timelier and safer diversions to accessible airports than ever before.

The system uses high sensitivity monochrome video cameras and Infra-red floodlighting to view inaccessible areas of the aircraft where smoke could not normally be seen, such as cargo holds, avionics bays, above the ceiling panels in passenger aircraft, and far into the rear of combi-freighters. Following an alarm flight crew can verify visually if smoke is present using a monitor on the flight deck. SmokeVu is compatible with Electronic Flight Bag (EFB) technology, allowing the flight crew to have complete control of the systems and view both live and recorded video.

Smoke detection zones can be placed anywhere within the camera view, on or around specific items or areas to be protected. The ability to confirm visually the alarm condition from the front-end processor screen or CCTV surveillance monitor represents a powerful new tool in the very early detection of fire.

The cameras, and dedicated cockpit LCD monitor, can also be used to verify the situation should a conventional smoke alarm be triggered. Verifying an alarm as false can save thousands of dollars by avoiding a costly diversion.



Combating False Alarms

The most serious threat to commercial aircraft safety is fire, but Airlines and Freight Carriers are plagued by costly false alarms from traditional smoke and fire alarm systems. SmokeVu provides a cutting edge visual form of smoke detection to be used in conjunction with conventional smoke and fire detectors. The system produces early, accurate detection as it uses video to identify smoke from a distance and allows for a visual confirmation of any alarms received.

The SmokeVu System is a world first in delivering early warning of fire, using cost effective tried and tested aerospace equipment combined with leading edge image processing technology.



AD Network Video

Bringing a Digital Dimension to CCTV on the Ground and on the Move



AD Network Video is very much at the forefront of CCTV networked solutions and is responsible for the development of the pioneering NetVu range of advanced video network server products. It has also been responsible for bringing to market TransVu, a sophisticated mobile CCTV system, designed specifically to operate within the rigours of urban transit systems.

TransVu brings a new level of sophistication to mobile video operation. Previous generation systems were only capable of recording images from cameras. TransVu can handle system information from the vehicle, simultaneously recording vital system data like engine speed, oil pressure, operation of brakes / accelerator and indicators. GPS data can also be utilised, pin pointing the position of the vehicle at all times, reporting if the vehicle is off-route, or providing logged information of the vehicle's journey.

Like all NetVu based products, TransVu has extensive networking capabilities. Large bus operators in the UK have utilised wireless networks at their depots to automatically download images and data from their vehicles. This has meant a huge saving in man-hours compared to non-networkable systems. Each TransVu on a network can be assigned its own unique passwords and the in-built firewall further protects the system's security.

TransVu has an in built self diagnostic program, which can report system malfunctions, like camera failures, to a host network. It will also report intermittent failure of video, even if the cameras have been masked or defocused. For the first time an operator of a large fleet of vehicles can take pro active maintenance action as soon as trouble occurs.

All TransVu units are now fitted with an inertial sensing device, capable of measuring acceleration, braking and cornering forces. The read out is continually logged and

excessive braking or turning can be used to generate video events for later perusal. This feature has been used extensively to ascertain the validity of claims in low speed impacts on public transport.

Dual channel audio is provided as a standard feature, along with a PPP interface allowing images to be transmitted over mobile telephone networks. TransVu can also report its status via SMS text messages, which combined with GPS data, can instantly transmit its location to a central control point, where the vehicle can be tracked using mapping software.

From school buses in the US to trains in the Netherlands, the passenger transport environment places tremendous stresses on any electronic system so TransVu has to be extremely durable, with the sealed recorder unit suspended via aerospace grade mountings to eliminate heavy vibration.

The TransVu units, which apply AD Group's common software interface, 'NetVu Connected', can utilise either one or two internal hard disk drives for storage, although some operators may prefer a single removable drive which can be taken from a unit in the event of an incident.



The Answer is Evidential

All individual images stored by the TransVu digital recorder - which can be archived to PC or mass storage devices - carry vital header information, including date and time and details of any alarms, and can be displayed with the image on playback. For evidential purposes TransVu supports watermarking where a unique finger print is assigned to a range of images. As a result, when evidence is submitted to the police - for example on CD - the watermark data can be issued as a watermark certificate. To verify the authenticity of the CD at a later stage a second certificate can be created from the images on the CD. If the two certificates match then the CD has not been tampered with. In some cases evidence provided by the TransVu unit may be able to assist transport operators by providing vital protection against fraudulent attack/injury claims.



Dedicated Micros

Redefine the Boundaries of CCTV Technology

Dedicated Micros (DM) is the world's leading manufacturer of Digital Video Multiplex Recorders (DVRs) for security applications. Fine-tuned by more than 20 years experience in the CCTV business, globally DM equipment now records more than five million images every second of every day, installed in some of the most prestigious and security conscious locations.



The technological developments pioneered by DM have formed many of the building blocks for the success of today's CCTV industry: the company's founder Mike Newton being credited with the invention of the first commercially available CCTV video multiplexer. A catalogue of prestigious awards also reflects DM's dedication to innovation and excellence.

Product portfolio

Today DM is able to offer a wide range of DVRs, from the entry level Eco4 for the simplest of installations, to the professional BX2 Continuous Archive, which allows users to remove a copy of all recorded images stored in the machine instantaneously without interrupting the recording process. The benchmark Digital Sprite 2 has rightly earned the reputation as the de facto industry standard against which all other DVRs are judged, and the latest DV-IP family of networked components takes large system security to another level.

Despite the diversity of these offerings, every member of the product portfolio shares certain key technologies and a consistent design philosophy.

Data Integrity

Of the small number of CCTV images used during an investigation, even fewer ever find their way into a court of law as evidence in a prosecution. However, for those that do, their authenticity must be guaranteed. All DM DVRs employ sophisticated digital signature technology such that the recorded images, and the associated audio and meta-data information, cannot be tampered with without detection. This level of integrity has helped secure numerous convictions in courts around the world.

Continuous Innovation

The history of DM, has been one of market leading advances in the world of CCTV, the CCTV multiplexer was only the start. Currently, areas of development include video indexing and searching mechanisms, intelligent video analysis and IP connectivity, most importantly, reflected in the latest DV-IP product range.

Continuing investment in new technology, ease of installation and use continue to remain at the very much at the heart of DM's success. With some simpler products, all that may be required is to connect the cameras and switch on the power.

Never Stop Recording

Of the billions of images captured by CCTV cameras every year, only a handful are reviewed during an investigation. The problem, however, is that criminal behaviour is rarely predictable, and it is impossible to know beforehand which images will prove to be crucial. For this reason, all DM recorders are designed to make recording their top priority, and this key principle is reflected time and again throughout every product. For example, even when simultaneously viewing live images, searching for specific events and archiving data to an external CD-R, recording of new images will continue unaffected. The internal architecture is based on a purpose-designed, real-time, embedded core, rather than a modified PC, for maximum reliability and immunity from virus attack. DM's network Servers contain local storage to ensure that the recording process can continue uninterrupted even in the event of a network failure. RAID options are also available to support the construction of fault tolerant systems.

Dedicated Micros

Putting the Focus on Sector Specific Solutions

DM's products can be found in security systems in commercial and community applications of all sizes across the globe. High profile installations include: New York's 911 building, Heathrow Airport in London, the Oman Bank, BP petrol stations in the UK, Manchester United's Old Trafford Football Ground, the French Postal Service (the PPT) and the US Government Agency.

Fraud Detection

The company's extensive product range is designed to reflect the real security challenges faced by potential users in key sectors. In the retail environment for instance, DM's Retail Solutions range of Digital Video Recorders (DVRs) help to detect theft on both sides of the counter. Images can be recorded and associated with POS (Point of Sale) transaction data so simplifying fraud detection and with powerful data search and date/time GOTO facilities there is the potential for the rapid review of dubious transactions.

When it comes to banking Dedicated Micros is at the forefront of efforts to secure ATMs. Based on DM's award winning DVR technology, the 4 camera DV-IP ATM, provides rapid resolution of customer disputes and high quality video evidence in the fight to stamp out the fraudulent use of cash and credit cards. In operation, the unit records and associates ATM transaction data with the relevant CCTV video footage, allowing data to be interrogated via a sophisticated text search engine.

Improving the Odds

For the gaming sector, given the scale of the CCTV systems required in many of today's mega casinos operators are keen to embrace the very latest digital CCTV technology from DM, to maximise the responsiveness and flexibility of these business-critical surveillance solutions. By applying digital video recorders and servers, including the latest DV-IP systems from DM, casinos no longer have to face the prospect of running expensive coax cables from each camera back to a conventional VCR, changing hundreds of tapes every day or manually reviewing numerous tapes to locate recorded events.

Healthcare and Education

In the healthcare environment the latest IP surveillance products from DM have the potential to be tied-in to access control measures - e.g. magnetic tagging - helping to secure vulnerable drug storage areas and protect babies in maternity units from the ever threat of abduction. For schools and colleges sophisticated CCTV technology from DM is being adopted to tackle senseless vandalism, including damaging arson attacks, and criminals' intent on stealing property out of hours.



Safer Towns

Digital video recorders and servers are also fast becoming the favoured option for public sector building security. Systems from Dedicated Micros have been installed in a wide range of applications large and small tailored to satisfy the exacting demands of public sector security. DM has strong credentials when it comes to town centre CCTV surveillance solutions. Since its introduction, variants of the company's industry leading, high-end, BX2 multiplex digital video recorder, with impressive storage capacity, have been consistently specified to sit at the very heart of the action in town centre control rooms. The very latest model the BX2 CA comes with the industry leading innovation, 'hot-swappable' mirrored drives supporting uninterrupted recording, an invaluable characteristic in this evidentially intensive environment.



Dedicated Micros

DM and Dennard - A New Beginning

The already impressive capability of AD Group and specifically Dedicated Micros has been further extended with the move to bring the Dennard range of dome cameras - including the advanced 2040 and 2060 - CCTV hardware products and ancillaries, under the DM banner.

DM certainly has ambitious plans, building on the long track record of innovation and quality which Dennard, its Hampshire (UK) based subsidiary, has already demonstrated.

Founded more than 40 years ago, Dennard has been one of CCTV's true pioneers from the very start, constantly pushing the boundaries whether in the early days with pan and tilt mechanisms, and the very first camera housings, to more recently with advanced dome cameras.

It is expected, as a result of this new development that the uptake of the re-branded Dennard product portfolio will grow dramatically, supported by the promotion of these industry leading solutions to DM customers across the globe and a simplified procurement process for customers.

Dennard was acquired by DM back in 2003 and since that time the skills, expertise and business systems of the two organisations - both market leaders in their own right - have been brought ever closer together.

Driving Dome Camera Design

Looking at dome cameras in particular, Dennard has demonstrated a capacity to deliver effective solutions whatever the application. This is typified by the introduction of vandal and waterproof options, to make outdoor use a viable proposition. The robustness of the latest domes, which will in future be available through DM, is also evidenced by the widespread adoption of materials such as polycarbonate for the camera hemisphere. This makes them particularly attractive for exposed town centre environments where they have to face-up to potential attack from vandals.

There is also the ability of dome cameras to be applied covertly, especially in the retail and leisure sectors where a less obtrusive form of surveillance is required. Time and again Dennard dome cameras have been able to prove that beauty is more than skin deep as they have been constantly refined to enhance positional accuracy through the use of die cast mechanisms, tracking with features such as an auto flip facility; deliver low light performance - via specialised day/night cameras - and offer long-term durability.



Beyond Domes

Other key Dennard products, which now come under the DM banner, include: its full range of brackets to support housings and/or camera combinations; telemetry controllers including keyboards and base units; an extensive range of stylish dome and camera housings; IR illuminators - offering a cost effective solution to night time CCTV surveillance - and all important pan and tilt heads for smooth camera movement.



Setting the Standard for Remotely Monitored CCTV



RemGuard Visual Management has been at the forefront of remotely monitored CCTV in the UK for more than a decade now, continually improving and refining the service it offers.

The RemGuard 'intelligent' event-driven solution, with cameras and detectors carefully positioned around a site, linked to its Remote Video Response Centre, is increasingly finding favour with occupiers of commercial, public sector and domestic sites, all anxious to protect their property from harmful attack.

A Pioneering Approach

When RemGuard began monitoring its original customers' sites back in 1995 it was with DVST transmission equipment manufactured by Dedicated Micros. This was one of the first transmission systems available on the market which made remote monitoring of CCTV possible.

In 1998, RemGuard unveiled its powerful RemVu Aquila transmission unit, allowing it to offer additional services to customers that were not previously available. The latest variant of the RemVu Aquila is a fully networkable solution, for enhanced flexibility and is capable of replacing multiplexer, video recorder and conventional video transmission systems.

Standards Matter

RemGuard's commitment to quality is reflected in its active role in the creation of effective industry standards. It is a leading

member of bodies such as the BSIA (British Security Industry Association), and played a pivotal role in the development of BS 8418, the code of practice, for detector activated CCTV.

Today's security solutions have to be able to stop crime before real damage is done, whether it is combating the headache of low level petty vandalism or hardened criminals stealing to order. Remotely monitored CCTV from RemGuard certainly scores highly in this regard, helping to keep insurers happy and premiums under control.

As events are confirmed visually; false activations are very much the exception rather than the rule. With solutions complying with the latest BS 8418 standard capable of delivering false alarm rates of less than 10% it is not surprising that the police are enthusiastic supporters of remotely monitored CCTV.

International Dimension

The application of RemGuard technology is not confined to the UK, with operations in Australia (from an RVRC in Sydney) and Portugal offering the benefits of this approach to CCTV to customers in their respective regions.

Customised Service

RemGuard understands that no two sites are ever going to be the same. Unlike many other providers of remotely monitored CCTV it actually produces its own RemVu transmission equipment and the sophisticated software that drives it. As a result when the equipment is installed on site it is uniquely configured to meet individual requirements. A good example of this is the ability to access images on-site during working hours or by managers at home around the clock.



Traffic Safety Systems



Supporting Effective Law Enforcement

Since its inception in 1973, TSS (Traffic Safety Systems) has firmly established itself as a major supplier of traffic law enforcement and mobile video surveillance technology, satisfying the growing demand of local authorities, police and emergency services in the UK and overseas for this type of specialised equipment.



Its innovative product range includes: vehicle mounted CCTV systems, roadside safety enforcement cameras and hand held laser and radar speed meters: all designed to enhance road safety by the effective monitoring of driver behaviour. The strength of TSS's reputation in this critical area is underlined by the fact that in the UK alone, all 52 police forces can be counted amongst its customers - making it the UK market leader. TSS is much more than just an equipment supplier; its commitment to customers is reflected in its specialised knowledge, comprehensive vehicle installation service, operational and technical training and ongoing customer support.

The solutions which TSS offers solutions in three major areas: roadside speed detection, mobile traffic enforcement - for moving speed detection and illegal driver behaviour - and mobile CCTV surveillance to combat anti social behaviour and street crime reduction.

Roadside Speed Enforcement

In terms of roadside speed detection, TSS provides a wide range of flexible, high accuracy hand held and tripod mounted radar and laser speed meters, which can operate effectively at long range in all weather conditions. This gives police officers the tools to combat speeding, particularly in built-up urban areas and known accident blackspots. In addition to hand held

devices, TSS can also offer a comprehensive range of roadside enforcement cameras for both fixed and portable operation, which cannot be detected by anti speed measurement systems.

Traffic Control on the Move

In addition to static roadside solutions, TSS has a number of systems, which can be fitted in car or mounted on police motorcycles, tailored to the specific needs of a particular vehicle or police force. These range from the latest compact speed detection equipment, which can be easily transferred from vehicle to vehicle if required, to multi-application traffic offence recording systems, incorporating VASCAR or radar devices to gather video evidence of speeding or poor driver behaviour. The operational capabilities of such systems can be enhanced through an optional multi-camera facility, GSM or microwave helicopter down link, Mobile Data Terminal (MDT) and the incorporation of advanced Automatic Number Plate Recognition (ANPR).

Now as part of AD Group, TSS is starting to benefit from the Group's shared technology base, being able to offer a law enforcement version of the sophisticated TransVu mobile multi-camera digital video recorder to its customers, a system which has already proven its worth in demanding public transport applications.

Tackling Street Crime

Purpose-built mobile CCTV systems from TSS have been instrumental in helping the Police and Local Authorities to tackle street crime and anti social behaviour in communities across the UK and overseas, making them safer and more pleasant for everyone. These systems can be used in static mode or on the move and provide the facility for CCTV on every street corner. Systems fitted to high conspicuity vehicles provide an overt visible deterrent to potential offenders but can equally be used

covertly for discreet surveillance as part of ongoing investigations. Where incidents do occur, evidence can be readily gathered by advanced CCTV cameras with high power zoom and low light capabilities, sometimes mounted on specialist masts for enhanced surveillance capabilities. By providing a permanent record of situations encountered, the likelihood of the successful prosecution of offenders is greatly increased - something, which is certainly welcomed by the police.



AD Aviation

A Scheduled Flight or a Flight to Suit Your Schedule?



Private air charter, whether for business or pleasure, offers travellers the ultimate control over their schedules. The popularity of this time-saving and stress-free alternative to the hassles of conventional airline travel continues to soar, a fact reflected in the continued growth of AD Aviation.



AD Aviation, formed in 1998, is a small and extremely successful carrier flying to destinations across the UK and Europe. From the start AD Aviation has committed itself to increasing the number and diversity of business aircraft users in the North West of England, emphasising the practical, bottom-line benefits of this type of travel.



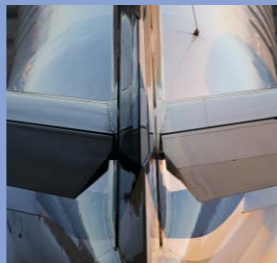
Based at Liverpool John Lennon Airport, the premium quality of its service has helped to win more and more converts, driven by factors such as 24 hour operation and short notice call out. AD's continued success is reflected in the recent addition of another Cessna aircraft to its executive jet fleet.

A Timely Solution

Travellers choosing AD Aviation, can dramatically cut travel time by having a private jet at their disposal, avoiding queues at check-in, slow moving security screening and the headaches of flight delays and cancellations. For domestic travellers hold ups on scheduled flights are certainly frustrating, but it is in the commercial sector that their impact really hits home. The economic fallout from a missed meeting could at best result in a loss of confidence in the ability of that organisation to conduct its business; at worst valuable contracts could end up going to the competition.

AD Aviation prides itself in operating point-to-point flights to regional airports so customers can be flown literally minutes from their ultimate destination - it is even possible to fly to several appointments in the same day without the need for an overnight stay. With an executive jet there is also the reassurance of a comfortable, secure and private and stress-free environment - meetings can even be conducted in flight - added to this is the flexibility of an itinerary tailored to their needs rather than having to work around conventional airline schedules.

If meetings overrun with private charter the aircraft does not leave without the customer. The carrier with its made-to-measure service is even able to organise all of the travel arrangements for its customers, including ground transportation.



Reasons for scheduling an AD Aviation plane are extremely varied, from a business perspective it is possible to ensure that: key employees are in the right place at the right time so effective decisions can be made; passengers are shielded from uncontrolled public exposure and relationships can be developed with customers by flying them to hospitality events. For leisure travellers it is really all about the freedom that a private jet offers, whether that means salmon fishing in the Scottish Highlands or city hopping across Europe.



In Pole Position

AD Group is a Major Supporter of Endurance Racing



Over the years AD Group and its subsidiaries have been enthusiastic

supporters of motorsport, particularly endurance racing, with AD and associated brands appearing prominently on some of the most powerful sportscars around, as they compete at landmark events on the international motorsport calendar.

Highlights of AD's involvement in motorsport include:

- Daytona 24 Hours - 2005, 2004, 2003, 2002.
- Bathurst 24 Hours - 2003, 2002.
- Le Mans Endurance Series (LMES) - 2005, 2004.
- Le Mans 24 Hours - 2004, 2003.
- FIA GT Championship - 2004, 2003.
- British GT Championship - 2002.

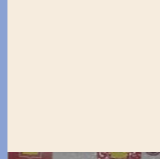
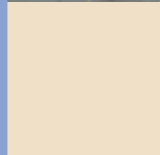
A major initial success for AD was in the 2002 British GT Championship where a Saleen S7-R, the racing evolution of the American supercar, co-driven by Tommy Erdos and Ian McKellar went on to take the title on the back of 8 wins and 3 second places in a 12-race season, Erdos also securing the Top Gun trophy for the most successful individual driver.

In the 2003 FIA GT Championship in an AD supported Saleen S7-R, Erdos and Group founder Michael Newton, came an impressive 6th in the overall standings and in the 2004 series were regular points scorers. The pair also shared the Michael Shank Racing Doran JE4 -Lexus at the 2004 Daytona 24 hours with Kelly Collins and Cort Wagner, bringing the car home in a fine 4th in the DTP class despite some truly awful conditions.

During 2004, AD sponsored British racing team RML's high-powered MG Lola EX257 open prototype sportscar in the Le Mans 24 Hour race and the four-round European Le Mans Endurance Series (LMES), consistently referred to as one of the most striking cars on the track.

Undoubtedly, the highlight of the season was the completion of over 20 hours of the Le Mans 24 Hour race to secure the MG Lola EX257 endurance record - factory run cars never got much further than the half way stage. The RML team's three drivers Mike Newton, Tommy Erdos and Nathan Kinch all drove a superb race, until an engine failure at 12:15pm on the Sunday caused the car's eventual retirement - frustratingly close to the finish.

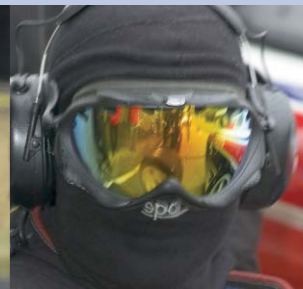
For 2005 AD will once again be supporting an entry in the European LMES, Endurance racing continues to grow in popularity with the series bringing together Prototypes and GTs, private and official teams to produce an outstanding spectacle. AD will also be involved in prestigious events such as the gruelling 24 hour races at Daytona and Le Mans - the premier global endurance event.

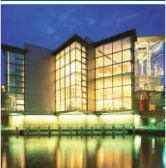


Customer Care

AD's motorsport involvement has provided the Group with an invaluable platform to entertain its customers in key markets, with European LMES (6 hour) and Le Mans 24 Hours and other endurance events hospitality does not have to be restricted to narrow time slots. At each event AD's customers are given privileged access to hospitality areas

right at the heart of the action, adjacent to the team's own hospitality tents. There are also VIP 'behind the scenes' visits to the garage/pit area to see cars being prepared for the race, invitations to team Q&As, driver autograph sessions and the highlight for many, pre-race grid walks moments before the start of a race.





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