

# DIAMOND AIRCRAFT GROUP



THE AVIATION NETWORK AS UNIQUE AS YOU ARE

 **Diamond**  
AIRCRAFT GROUP





DA42 NG

**DA42 NG**

A top performer that takes you sky high: the ultra-modern, twin-engine DA42 NG perfectly matches stylish elegance with easy and efficient operation. Diamond Aircraft Industries has equipped the DA42 with the new AE300 engine: suitable for different types of aviation kerosene, it is powerful and economical at the same time. With the DA42 you will enjoy lower operating costs, lower fuel consumption, but also more comfort, improved power, increased performance, extended range and longer endurance – and many envious glances.



DA40 NG/ DA40 Club Star/ DA40 Tundra Star

**DA40 NG, DA40 Club Star, DA40 Tundra Star**

Our DA40 range combines successful development with the new Jet A1-powered AE300 engine and an innovative, state-of-the-art design. Add to that excellent safety, best flight qualities, robustness, very high reliability and low operating costs. Pilots and flight schools all over the world are thrilled! On top of that, the DA40 boasts the latest in avionics, perfect panorama views, comfort and the space to encourage vacation plans or speed up your business. In short: it's the best aircraft money can buy.



HK36 Super Dimona

**HK36 Super Dimona**

For everyone who simply wants to conquer the sky! Excellent for glider training and perfect for towing, the HK36 Super Dimona is considered unbeatably versatile, user-friendly, robust and economic. As a high-performance motor glider it's a 'best seller' on the European market. Some 30 years of experience gained in aircraft design and development were applied to the modern construction of the HK36 Super Dimona. It's the perfect airplane for individualists looking for the best of both worlds.



DV20 Katana/ DA20-C1

**DV20 Katana**

Ergonomically designed and fun to fly, the DV20 Katana far outshines its competitors. You'll be so enthusiastic about its perfect trainer qualities that you may want more of it! Many flight students therefore later pilot their own Katana, because it offers much more than a typical 2-seater. Sturdy, safe, reliable, but with a cutting-edge design, the DV20 Katana is an exciting and economical airplane to buy and operate. Its agility and superb performance let you experience the thrill of flying.





# Austro Engine

## Austro Engine

### Austro Engine

Diamond Aircraft manufactures its engines in-house. This is unique in the industry and makes owning and operating an airplane so much easier for customers. Our subsidiary, Austro Engine, develops and produces state-of-the-art Wankel rotary engines and aviation piston engines which are powered by and certified for different types of aviation kerosene. The new generation AE300, a turbo diesel piston engine running on Jet A1 fuel with 168 horse powers, boasts low fuel consumption, independence from leaded fuel and low noise emissions. This makes it the most modern and eco-friendly aviation piston engine on the market. Success is no coincidence; therefore, we are already developing a new six cylinder engine.



## Diamond Flight Training Devices

### Diamond Flight Training Devices

We build the most advanced flight simulation training devices out of authentic Diamond Aircraft parts and with real avionics. Developed in cooperation with pilots, flight instructors, simulator and aircraft engineers, all products of the Diamond Simulation range are perfectly attuned to the genuine aircraft – using the DA42 NG as the main design model. Whether used for basic or advanced training, this ensures that once you take off on your first flight you will know the cockpit like the back of your hand. **Joining the Diamond Aircraft family means training in a simulator and piloting an aircraft whose innovative design, state-of-the-art technology and superior power comes from a single source.**



## DA42 MPP Guardian

### DA42 MPP Guardian

Based on the DA42 Guardian – a true leader in its class - the innovative, twin-engine DA42 “Multi Purpose Platform Guardian” has been specially designed for carrying interchangeable, multi-functional airborne sensor equipment. Eco-friendly, this state-of-the-art composite platform combines excellent performance with an increased payload, extremely long range, low operating costs and outstanding fuel efficiency. The investment in this multi-purpose platform pays for itself through the fuel savings alone.



## DA50 Magnum



## D-Jet

### D-Jet: Future Project

As the ultimate personal aircraft, the Diamond Personal Light Jet sparks off a new era in top-notch General Aviation.

### DA50 Magnum: Future Project

Designed to inspire pilots and discerning passengers alike, the DA50 Magnum perfectly combines luxury and style with sportive, high class standards and state-of-the-art economical benefits.



**DIAMOND AIRCRAFT, AUSTRIA:** Production of the very first H36 Dimona started back in 1981. Today, Diamond Aircraft Industries GmbH is Europe's largest and most innovative producer of ultra-modern, lightweight fiberglass and carbon fiber composite aircraft. Our strong position on the world market is thus rapidly gaining strength. The Diamond Aircraft Group headquarters for production and distribution, as well as the design and development center, is in Austria. Our aviation group network is as unique as you are. Whether you are a student pilot in flight training, a customer purchasing an aircraft - or a whole new fleet – or getting your own plane serviced and checked, if you are looking for an upgrade or just the best aircraft to meet your specific requirements, each member of our Group is there to support you.

**DIAMOND SIMULATION AND DIAMOND AIRCRAFT, GERMANY:** Our general agency in Egelsbach, Diamond Aircraft Industries Deutschland GmbH, expertly looks after the rapidly expanding customer base in Germany. In addition to distribution and sales, inspections and maintenance are also carried out there. Egelsbach is also the headquarters and worldwide distribution center of Diamond Simulation GmbH. The Diamond Aviation World, located in the Diamond Terminal at the Egelsbach Airport, is a gathering place for pilots and aviation enthusiasts alike.

**DIAMOND AIRCRAFT, ENGLAND:** Diamond Aircraft UK Ltd. is the Group's general agency in the United Kingdom and Ireland. This subsidiary also offers maintenance and service.



Austria



Germany



England

**DIAMOND AIRCRAFT GROUP - YOUR SINGLE INTERNATIONAL POINT OF CONTACT:** The Austrian Diamond Aircraft Group comprises a network of companies that complement and match each other perfectly – like the components of a Swiss clockwork. But, in keeping with the expectations of our customers, we have taken this precision a step further: we added a high degree of flexibility to our globally renowned expertise.

**DIAMOND AIRCRAFT, CANADA:** Since 1992, aircraft for the North American market have been produced and assembled at Diamond Aircraft Industries' state-of-the-art facilities in London/Ontario, Canada. Our local sales are also located there.

**DIAMOND AIRCRAFT, CHINA:** This production site supplies and looks after the entire Asian market.

**AUSTRO ENGINE, AUSTRIA:** Founded in 2007, Austro Engine develops and produces top quality, highly efficient, eco-friendly and reliable engines for the Diamond Aircraft Group. At the high-tech production facilities in Wiener Neustadt, Austria, four ultra-modern engine test benches guarantee the consistent superior quality during series production. A propeller test stand is used to drive ahead the further development of diesel-powered aviation engines.

**WORLDWIDE:** Besides its unique network family, Diamond Aircraft collaborates with numerous distribution partners and service centers all over the world. Please visit [www.diamond-air.at](http://www.diamond-air.at) to find the agency you need.



Canada



China



Austro Engine





## Diamond Flight Training.

### **Train with the best.**

Our commitment to quality goes far beyond the mere delivery of your aircraft. We believe that high-quality training is as critical to your safety as a well-designed aircraft. That's why each airplane comes with a training credit to ensure that you will have mastered each move once you step aboard your new plane. You will know the cockpit like the back of your hand because you've trained in an authentic Diamond Aircraft cockpit with real avionics. This gives you added security. Although we're very proud of our safety record, we know it takes safe pilots to ensure safe flights. And safety goes beyond just a good airplane.

This is also the reason why we're building a network of Diamond Flight Centers (DFC). DFCs are an exclusive group of schools committed to providing high-quality flight training using Diamond Aircraft know-how. Hand-selected by us and our distributors, DFCs meet the most demanding standards. We require them to develop their training techniques by using structured syllabi. Their focus on Diamond Aircraft ensures that your training experience, from ab-initio to multi-engine IFR and beyond will be the best in the industry. We know: great airplanes are the success of great flight schools.





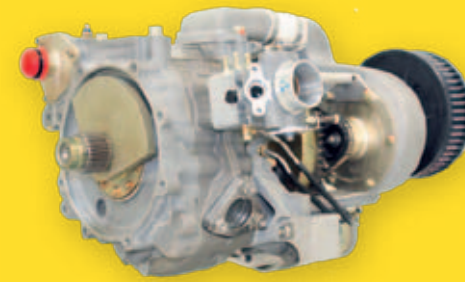


## Diamond Simulation.

### **Get ready for real life.**

As pioneers in aviation we are used to going beyond the expected. That's why we've taken flight training to the next level by offering our own line of model-specific simulators. Built out of authentic Diamond Aircraft parts, real avionics, high-end visuals and sophisticated instructor operating stations, our flight simulation training devices are as innovative as our airplanes.

Diamond Simulation, our wholly-owned subsidiary in Germany, provides flight schools around the world with the best possible general aviation simulation devices available. At Diamond Aircraft, we believe that using a simulator in your training – the way professional pilots do – increases safety, efficiency and effectiveness. And, with zero emissions, our true-to-reality simulators offer a cleaner, greener way to train.



**AE50R**



**AE300**

## Austro Engine Products.

### **Innovation in performance.**

With the brand new AE300, Austro Engine has launched a leading piston engine in General Aviation, powered by and certified for various types of fuel, such as Jet A1, Jet-A, TS1 (Russia), TS1 (Ukraine), RT (Russia), RT (Ukraine), JP8 and Fuel Type 3 (China). Numerous testing hours have proven the engine's endurance and reliability. And, just like all the other Diamond Aircraft products, its environmentally clean top performance and superior efficiency place the AE300 well ahead of competition.

Since launching our first line of products, the AE50R series, our 50 horsepower rotary engine, has earned itself a successful track record with more than 700 installations in motor gliders and with its deployment in unmanned aerial vehicles of leading original equipment manufacturers (OEMs). As you would expect of one of our products, our rotary engines are small, lightweight, and have an outstanding low vibration.





## Aircraft Production.

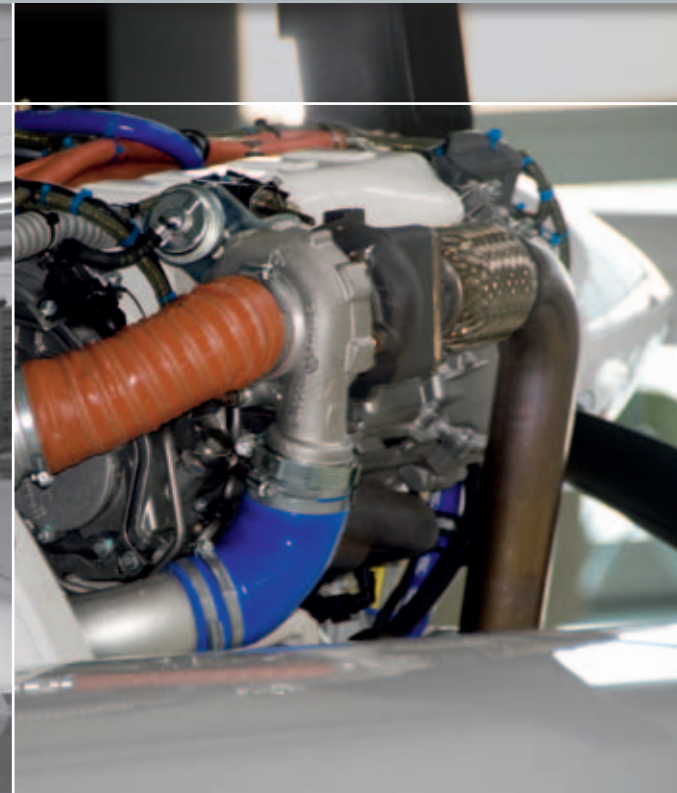
### **World leader in composite airplanes.**

We promise our customers a stunningly stylish aircraft that is better than anything built before. And our customers expect the best. That's why the Diamond Aircraft composite production center - the largest and most modern in Europe - only uses the latest technological standards. Specialized teams of engineers and designers therefore continue optimizing and perfecting all of Diamond Aircraft's innovations. For example, as Garmin's development partner, we launched the Garmin G1000 glass cockpit in our DA42. Such partnerships, as well as our unmatched company network, allow us to introduce new products much sooner than others. Our customers directly benefit from such cutting-edge developments.

Diamond Aircraft boasts longstanding know-how in the usage of revolutionary lightweight, solid - and at the same time low cost - composite material for the production of aircraft. High-tech standards that have proven themselves in Formula 1 racing for years provide the required basis for being safe and feeling comfortable in a Diamond Aircraft plane. Our robust and reliable airplanes and the best safety record in the industry speak for themselves. Did you know? The stable, lightweight fiberglass and carbon fiber composite technology is also being used more and more in modern airliners. With the plant in London/Ontario, Canada, Diamond Aircraft has gained a strong foothold on the international General Aviation market.







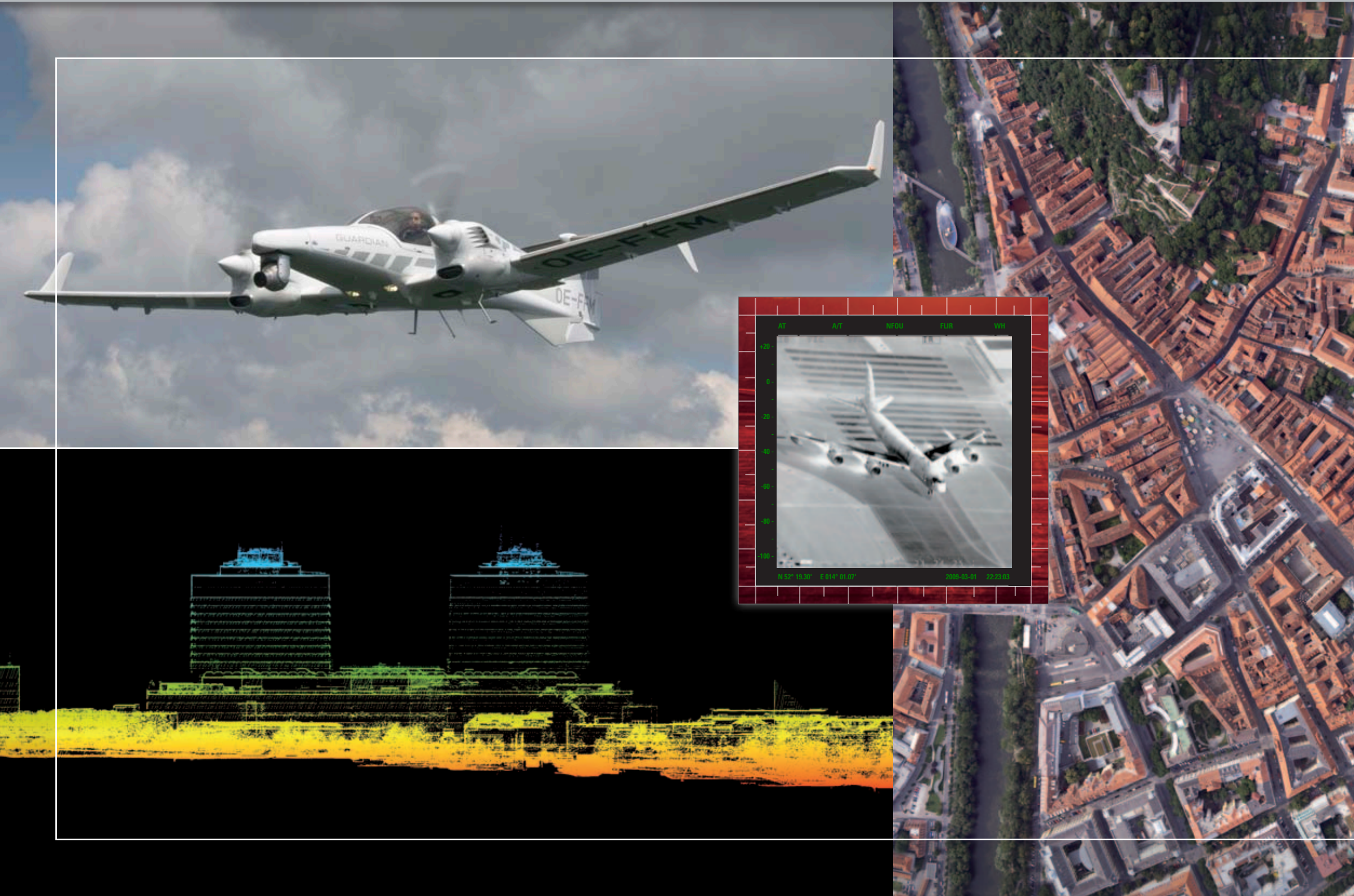
## Diamond Maintenance.

**Service, wherever you are worldwide.**

The Diamond Maintenance division is an integral part of our unique, all-in-one aviation network and an important partner for owners of a Diamond Aircraft plane. As a modern servicing company, Diamond Maintenance carries out all the required services and checks on your aircraft. Our expert engineers and technicians ensure that you will quickly be ready for take-off again.

On top of carrying out the maintenance for Diamond Aircraft, the professional service team also performs maintenance services on different aircraft types (Beech, Cessna, Piper, Gulfstream, Saab, Pilatus and others) and services helicopters and engines. Diamond Maintenance also offers professional, advanced training for maintenance engineers and ensures the supply of spare parts and accessories.





## Diamond Airborne Sensing.

### **Precision from above.**

Diamond Airborne Sensing enjoys a unique worldwide status as the leading provider of all-in-one sensor solutions delivered directly from the aircraft manufacturer. Our cooperation with industry experts and our partner network guarantees the employment of cutting-edge technology as well as competent and reliable project implementation. This allows us to deliver accurate results with hawk-eyed precision.

In the fields of geodetic and multimedia applications, Diamond Airborne Sensing offers numerous services, such as: mission planning, data acquisition, evaluation and post-processing.

Possible applications include: HDTV broadcasting, geodetic data acquisition, environmental monitoring, infrastructure monitoring, disaster response, event protection, law enforcement, maritime patrol, surveillance and reconnaissance.





## DA42 MPP Guardian.

### **A plane like a Swiss army knife.**

Based on the award-winning DA42 NG, the DA42 “Multi Purpose Platform Guardian” is a flexible, multi-functional sensor carrier and an innovative composite, twin-engine aircraft all in one. Tomorrow’s mission is different than yesterday’s? No problem! The plane has been specially designed for carrying easily interchangeable, multi-functional aerial sensor equipment, like large format digital aerial cameras (e.g. Vexcel UltraCamXP), EO/IR gimbals for surveillance and reconnaissance missions or RIEGL airborne laser scanners. It can effortlessly carry equipment of up to 85 kg (188 lbs). Sensors of many different renowned manufacturers are certified and approved: gyro-stabilized EO/IR cameras, large format aerial cameras, panchromatic and multi-spectral line scanner, laser scanner or synthetic aperture radar (SAR).

The DA42 MPP Guardian convinces with a very low noise emission, endurance of up to 13.5 hrs and a range of 1,200 nm. Its high-tech and lightweight composite platform offers top performance and an increased payload, as well as better fuel efficiency and extremely low operating costs. Powered by the new Jet A1-fueled AE300 engine, fuel savings alone pay for the investment in this multi-purpose platform. Equipped with a fully integrated Garmin GFC700 autopilot as a standard, the DA42 MPP Guardian also combines the advantages and flexibility of a business aircraft with the specialized needs of sensor operators.





## DA42 NG.

### **Elegance meets efficiency.**

Innovative. Economical. Stylish. Proven to be in a class of its own, the DA42 NG has redefined the art of traveling in comfort. Often compared to the "Formula 1 racing car of the skies", this ultra-modern, luxurious aircraft is a pilot's dream come true. With a huge difference though: you have much more space! For yourself, your travel companion and the baggage you need.

With its sleek, jet-like nose and the new twin AE300 turbo diesel engines produced by Austro Engine, the DA42's stunning shape not only receives admiring glances wherever you taxi in, it is also a superbly capable aircraft. Its twin power safely flies you non-stop across rugged terrain and open water to those distant places that others would not think possible. The secret lies in the aircraft's extreme range, long endurance, advanced avionics, and in the astoundingly low fuel consumption of the Jet-A1-powered engines. With the DA42 NG you can set your sights on new horizons! This gives you the freedom to go where you want whenever you want.

Be inspired: the single lever control and the fully integrated avionics let you operate this twin nearly as easy as a single-engine aircraft. Meet the DA42 with the power to go where singles fear to tread.





## DA40 NG.

### **Innovation in technology.**

Whether you are pilot with discerning tastes, a flight student or an instructor, the innovative, composite manufactured DA40 NG is the best choice when it comes to stunning good looks and best value in the industry.

With its low initial acquisition cost, affordable insurance, fast and low-cost maintenance, good customer support and excellent fuel efficiency it's easy to purchase and own a DA40. And, its leading safety record, robustness, great training characteristics like low-speed handling, top performance, superb visibility and a reliable, state-of-the-art cockpit also make the DA40 an easy aircraft to fly.

Besides valuing its light handling, dependable sturdiness and consistent safety, DA40 owners also love their aircraft's sleek, modern design and the advanced avionics in the Garmin G1000 glass cockpit. Thanks to a spacious cabin, comfortable seats and an adequate baggage area, your business colleagues, friends and family alike will be impressed by more than just hassle-free travel. All in all, the DA40 NG fulfils even the most demanding requirements.





## DA40 Club Star.

### **Innovation for everyone.**

If you're looking for an ultra-modern, yet affordable, easy to operate aircraft, then the DA40 Club Star is the right choice for you. With an unbeatably low purchase price and clearly arranged standard avionics, the DA40 Club Star offers you more for less money. With reduced avionics, functionality has been planned down to the smallest detail. Built for private owners, flight clubs and flight schools that generally do not require IFR instruments, the DA40 Club Star's avionics are reduced for NVFR. Nevertheless, the interior boasts a new, improved, high class and lightweight design. The sportive, carbon look of the cockpit will certainly make your heart beat faster!

A great safety record and the overall safety design ensure competitive insurance rates. The modern composite technology guarantees superior performance while consuming less fuel. Less weight in the cockpit also adds to the aircraft's swift maneuverability and extended range. Its maintenance-friendly design and high residual values make this airplane even more affordable.

And, thanks to its excellent performance characteristics, we have taken another step and have optimized the DA40 Club Star for towing gliders. All-in-all, the DA40 Club Star offers you everything you need to enjoy your very own flight mission.





## DA40 Tundra Star.

### **Innovation for explorers.**

Wouldn't it be great if you could take your SUV to the skies? The tough and robust DA40 Tundra Star brings you closer to fulfilling this dream.

Equipped with all the advantages you love in the DA40 Club Star, its sister aircraft allows you to even "explore" rough terrain. Ready for every eventuality, the DA40 Tundra Star gives you the freedom to go where you want whenever you want and how you want! Its special "rough terrain landing gear" configuration makes it possible. Bigger wheels on the main and nose landing gears, an increased wheel base, different rims, as well as special reinforcements and tougher structures give you the safety to land almost wherever you want. Forgiving and unmatched in its flexibility, the DA40 Tundra Star is your perfect partner for exploring the great outdoors!





## HK36 Super Dimona.

### **The best of two worlds.**

For some people it's a high-performance 2-seater, others regard it as the ultimate motor glider. Just flip a switch and glide effortlessly and silently through the skies or enjoy the easy handling, power and performance of a modern airplane. Its high capacity, climb performance and rapid descents also make the HK36 Super Dimona the perfect tow plane for other gliders.

Besides the attractive design, discerning pilots love the Super Dimona's versatility, safety and environmental friendliness. The affordable, yet well equipped basic version leaves plenty of room for expressing your individuality - inside and outside - offering a wide choice of configurations, options and engine types.

With the HK36 Super Dimona, Diamond Aircraft has proven its aircraft design and development expertise time and again over the last 30 years. Needless to say: the HK36 Super Dimona is one of the most refined aircraft in its market segment, and 'the' top seller in Europe.





## DV20 Katana.

### **Excitement and economy.**

Ergonomic. Efficient. Exhilarating. You'll feel all that and more when you take off to the skies in the DV20 Katana, whether traveling or training. Thanks to the logically arranged cockpit, students no longer have to search for knobs, switches or displays. Everything in this aircraft has been ergonomically designed. That's why it's so easy to learn to fly in a Katana. Safe, reliable and forgiving, it's simply perfect. In fact, many Katana customers started off as student pilots! Fly it and stay one step ahead of the rest!

## DA20-C1.

### **For two and more.**

Sporty. Sleek. Striking. Yet, surprisingly affordable. The DA20 was built for the thrill of flying. While this state-of-the-art 2-seater airplane is a top performer, its economical upkeep lets you take to the skies whenever you want. From the first time you strap in, you'll know that it exceeds all your aspirations. The large bubble canopy treats you and your passenger to an unobstructed view of the sky. It's like flying a modern open-cockpit airplane without the noise and wind. Besides more than 1,000 customers who have selected the DA20 as their plane of choice, the DA20 has impressed one of the toughest customers in the world - the United States Air Force. We've aimed high with the DA20's performance and have won the world's most technologically sophisticated air force. Will you be impressed too?







## Future Project: DA50 Magnum.

### **Above cirrus clouds.**

This state-of-the-art airplane combines luxury and sportive, high class standards with the economical benefits you'd expect from a Diamond Aircraft plane. Its amazing looks pay tribute to the sleek contemporary design and the smooth aerodynamic lines. On opening the unique gull-wing doors of the climate controlled cabin, you will discover a fully lined luxury cabin with hand-stitched seats and an avionic panel which underlines the clean high-quality flight controls.

Designed to inspire, this new aircraft is perfect for pilots and passengers who are used to enjoying the luxury of superior sportive comfort while traveling in style.





## Future Project: D-Jet.

### **Get on and beyond.**

If you are looking for the ultimate personal aircraft, then cast your eyes on the D-JET. Designed by Diamond Aircraft's innovative engineers who are armed with the best tools and technology, the D-JET creates a whole new class of aircraft – the Personal Light Jet. Stunning to look at sitting on the ramp or blasting through the sky, this aircraft has everything you would expect in a jet, such as luxurious comfort, speed and technology, and many things that other jets just can't offer, such as affordability and ease of operation.

At Diamond Aircraft, we've not only made it easy to own – we've made it easy to fly, too. With the D-JET, you have a unique opportunity to confidently take control of your time. Now you can be a jet pilot.





Cockpit of the DA42 New Generation

## Expect more than airplanes.

### **Unique, like a diamond solitaire.**

With the development of the worldwide first serial aircraft powered by the modern Common Rail Diesel Technology, Diamond Aircraft has set new standards in engine technology. The extremely lightweight, yet high capacity diesel engine was created in joint development with a German Formula 1 engine specialist. This marked the beginning of a new era in General Aviation: passionate, frequent fliers can now experience the thrill of an ultra-efficient, highly economic alternative.

The high-tech composite construction has proven itself in Formula 1 racing for years. At Diamond Aircraft Industries, we've put all the advantages of the solid composite construction - such as unparalleled strength, stress-resistance, stability, reliability, durability and robustness, and last, but not least, cost-effectiveness - to good use in building extremely safe and strikingly beautiful aircraft. Diamond Aircraft planes also boast the fully integrated Garmin G1000 avionics system: all relevant navigation, weather, radar, route, flight and security information is digitally available and is easy to read at a glance on the large 12 inch TFT color displays. With the innovative composite cockpit and the new engine technologies, Diamond Aircraft offers eco-friendly performance, comfort, convenience and security at the highest level. In other words: you'll fly farther for less money, and you get there safer and faster. So, why settle for anything less than the best?





## Exhibitions.

### **Experiences as special as you are.**

At exhibitions, the innovations of today take center stage and offer a vantage point for the ideas of tomorrow. In General Aviation, trade shows have a long, worldwide tradition. At Diamond Aircraft Industries we maintain this tradition.

You'll find Diamond Aircraft at numerous exhibitions around the globe. Whether in Berlin, Friedrichshafen, Oshkosh or Palm Springs: visiting the exhibition booth of Diamond Aircraft is always an experience.



## DIAMOND AIRCRAFT GOES GREEN!



### Lowest noise

Diamond Aircraft's innovative exhaust gas system for the Austro Engine powered DA42 aircraft reduces the noise level by 20db below the official limitations during take off. The system, which was originally designed for military purposes, will now be available for private and training purposes. This and other developments underline our efforts to make flying more environmentally friendly.

### Lowest fuel consumption

The new Austro Engine Jet A1 aviation piston engine reduces fuel consumption at an equivalent power setting by 46% when compared to a conventional gasoline engine. This means: more money in your pocket!

### Lowest emissions

Aviation Gasoline 100LL contains an additive, which develops into lead after burning. Therefore, Diamond Aircraft and Austro Engine invested EURO 48 million to introduce new engines into aviation, which are both, environmentally friendly and powerful. Compared to conventional gasoline engines, a Diamond Aircraft plane has significantly lower exhaust emissions.



**“Our vision is a novel concept of general aviation.”**



“Time is ripe for a new dream of flying. To make this dream come true, we tackle a multidimensional challenge: ecology, efficiency, reliability and safety in terms of both, technical and human factors, are the goals to be met by tomorrow’s aircraft. Since we focus on integrating all these ambitious aspects, we create new standards in technology, cost, emission, performance, and elegance.”

Christian Dries,  
Owner of Diamond Aircraft



“To achieve these goals, we combine lightweight and maintenance-free carbon-fiber composite structures with laminar aerodynamic design. Low consumption diesel engines with the same, exceptionally high standards that the automotive industry achieves, reduce emissions to the minimum possible level. Fail-safe structural designs combined with glass cockpits and single-lever power provides safety in every respect.”

Dr. Gerd Berchtold,  
CEO of Diamond Aircraft



Contact us today at +43 2622 26700

Or find your local Diamond distributor online at [www.diamond-air.at](http://www.diamond-air.at)

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For more information about Diamond Airborne Sensing, visit [www.diamond-sensing.com](http://www.diamond-sensing.com)