

**DIEHL**  
Aviation

**CLIMBING HIGHER. TOGETHER.**





# CLIMBING HIGHER. TOGETHER. WHEN PASSION FOR AVIATION MEETS A LOVE OF PERFECTION.

Diehl Aviation is one of five Divisions of the Diehl Group, a family company with a worldwide presence in many areas of industry, employing around 16,000 people across the globe.

Diehl Aviation is a globally active company, uniting people whose passion for aviation is as great as their pursuit of excellence. As an international First Tier supplier of Avionics and Cabin Integration, Diehl Aviation is a well-respected partner to the aerospace industry. In the past, this cooperative approach has facilitated many pioneering developments. Diehl Aerospace, and the areas of Avionics and Cabin Lighting, is a joint venture of Diehl Aviation and the French company Thales; as such it is a prime example of the vital partnerships Diehl Aviation actively promotes.

The portfolio of Diehl Aviation not only includes Avionics and Cabin Outfitting but also Galleys, Lavatories and Monuments, Sanitary Solutions for aircraft, Fire

Prevention, Water Supply, and Air-Conditioning as well as a comprehensive Retrofit service. Thanks to global customer service, Diehl Aviation products are in the best of hands for the entire life cycle of the aircraft.

Almost all of the well-known aircraft manufacturers are customers of Diehl Aviation: From Airbus and Boeing, to Bombardier, Embraer, and Gulfstream. In addition to this, Diehl Aviation is also a supplier to manufacturers for various military programs, such as Tiger, Eurofighter, and A400M.



Dear Readers,

The year 2018 was a trend-setting year for our organization: With the introduction of the Diehl Aviation brand and a structural realignment, we strengthen and bundle our competencies in the aviation sector as a division of the Diehl Group. We offer a wide range of products and solutions for aircrafts worldwide.

As you will see on the following pages, this includes various cabin elements and systems. Diehl Aerospace, a joint venture with Thales, is part of Diehl Aviation and contributes avionics products and cabin systems to the division's portfolio.

Besides Germany being our home country with its headquarters in Laupheim, we have consistently expanded our international presence in recent years.

In addition to the Hungarian locations in Nyírbator and Debrecen, we have Customer Service Centers in Toulouse, Sterrett and Singapore, as well as representative offices in Seattle, Charleston, Montreal and Abu Dhabi. Our global presence ensures local proximity to our customers and therefore offers service and support in shortest time .

On this basis, we are preparing for the future and accepting the challenges of the aviation market. Innovative, customer-friendly products, quality and timely delivery are the yardstick by which we measure ourselves. In doing so, we do not remain focused on what has already been achieved, but continue to develop.

I look forward to continuing our success together with you.

With many kind regards,

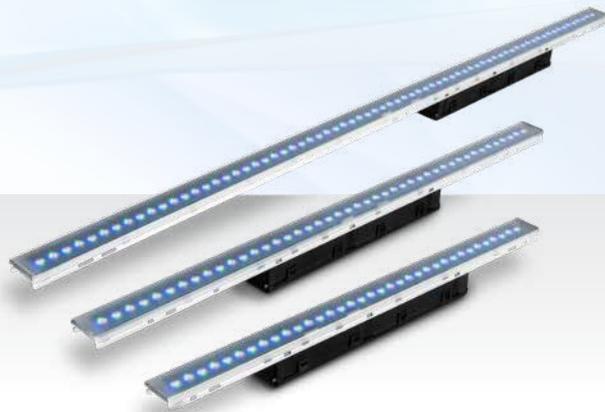
Your

Rainer von Borstel

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## WHERE FORM MEETS FUNCTION – THE CABIN AS A PIECE OF ART.



### **Comfort Factor: Lighting.**

As an innovative systems supplier to all of the largest aircraft manufacturers, Diehl Aviation continually develops new ideas – and turns them into reality. This means that nowadays, every cabin can be individually equipped with state-of-the-art technology. By adapting lighting to changing daily rhythms, passengers' biorhythms can be subtly adjusted to align with the local time of their destination. And with digital printing, all linings can be individually printed with high-resolution designs – durable, flexible, and extremely lightweight. The next chapter: Smart surface visualization. With special projectors and intuitive content management, future content can be staged completely independently across the entire cabin.





لا تدخن في  
المرحاض  
NO SMOKING  
IN LAVATORY

## HYGIENE AND COMFORT IN THE SMALLEST OF SPACES – PREFERABLY HANDS-FREE.



### The ideal place to redefine the subject of comfort.

A restroom is a very special place. Almost every passenger will visit it at least once – and is often just as happy to leave it! But this means that the restroom has enormous potential as the statement piece for an airline. Diehl Aviation has upgraded the concept of restrooms with many functional as well as aesthetic features. From a hygiene perspective, hands-free operating functions are a considerable milestone. But for Diehl Aviation, in working for airlines, it's also about implementing restroom solutions that despite a reduction in footprint to afford room for more seats, can still offer considerably more comfort.

## THE INGREDIENTS FOR BETTER ENVIRONMENTAL PROTECTION AND SAFETY: WATER, NITROGEN, AND AN EXTRAORDINARY SMOKE ALARM.



**Environmental protection and fire prevention have not always been the best of friends. It's high time for a new era.**

Halon no longer has a place in extinguishing agents. And for good reason: Halogenated hydrocarbons damage the ozone. There are now extensive prohibitions against their use. And, as of 2024, new aircraft may no longer use halon as an extinguishing agent. Diehl Aviation is the first – and to date, the only – manufacturer to offer an environmentally-friendly and safe alternative in accordance with the Minimum Performance Standard (MPS). The trick is how water and nitrogen are combined in a single pipework system. The result: Even an exploding spray can can be highly-effectively and environmentally-friendly combated.







## **ALMOST EVERY FLIGHT STARTS WITH DIEHL AVIATION'S HIGH-LIFT SYSTEM.**



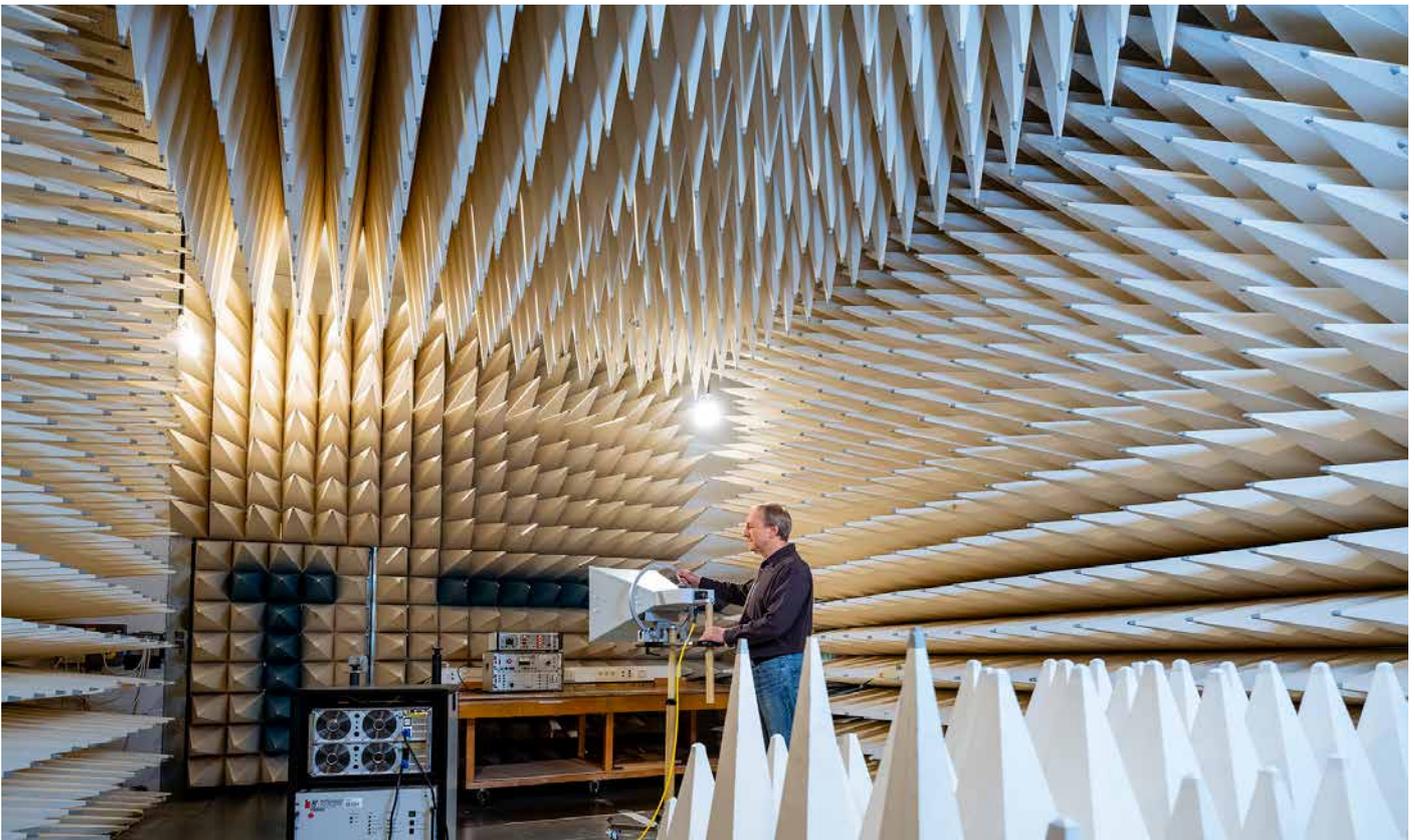
**A complex system, consisting of various levers, sensors, and computers, provides comprehensive and reliable control of the flaps and slats.**

Countless numbers of perfectly safe take-offs and landings are the best evidence there is for Diehl Aviation as a partner to aviation. Decades of experience in safety-related system solutions have proven that the company is the preferred partner, and not without reason. It is products like these that make the difference. They might not be visible – housing, circuit boards, sensors – but the systems produced by Diehl Aviation still deliver today what they have promised for years: Maximum safety and reliability. And into the future too. Which is why tried and tested systems are being continually re-developed and improved.

## AVIONICS IS BASED ON TWO PRINCIPLES: EXPERTISE AND RESPONSIBILITY.

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Thorough testing: Extensive test procedures are an essential part of quality assurance.



**Safe and reliable, robust and innovative.**

Aircraft require some of the most complex control systems that can be industrially produced today. Diehl Aviation operates at the highest level of criticality in all areas: Development, production, and in global customer support as a preferred supplier to aircraft manufacturers. The quality of these demanding products is convincing, thanks to both the high level of reliability over the entire lifetime of the aircraft, and the maximum safety and reliability they have over redundant systems. In addition to this comes the consideration of the individual customer's requirements and the fundamental understanding that technical expertise is inseparable

from the highest degree of responsibility, quite simply because the safety of passengers and aircraft is inextricably linked to the products and services offered by Diehl Aviation.

With the continual development of pioneering innovations, Diehl Aviation operates on virtually all platforms: From wide-body aircraft, to long-, and medium-, and short-haul aircraft through helicopters and military aircraft. As different as the individual platforms and technical challenges are, the passion for aviation is universal. So solutions that inspire this passion also insure the future fascination.

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Safety through competence: The comprehensive tests performed on our systems.



**LOOKING TO THE FUTURE  
WITH LEADING SOLUTIONS.**

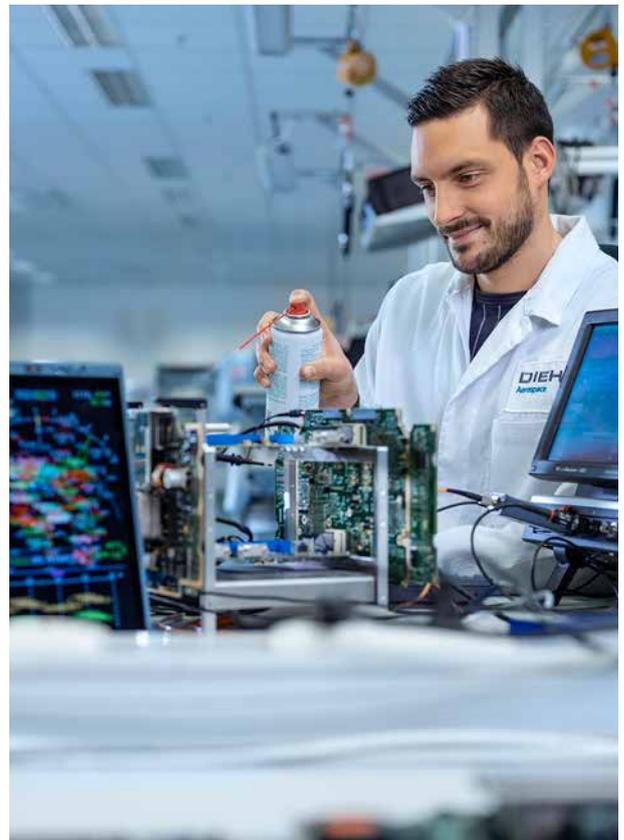
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How do you test such demanding technology? With sensitivity and finesse.



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Simple from the outside – high-tech on the inside by Diehl Aviation.



Many developments that stem from Diehl Aviation are considered, industry-wide, to be pioneering and have long since become an integral part of our daily practice. This is why, for example, Europe's biggest manufacturer doesn't have a passenger aircraft in the air that doesn't have Diehl Aviation's high-lift control system. Other core competencies such as the area of integrated modular avionics, the door control system and sensors as well as cockpit displays illustrate the importance of the company for the international aviation industry. Individual and highly functional cabin management systems complement this extensive portfolio.

The cabin management system is effectively the interface between the technical equipment and the cabin personnel. It monitors and controls the functions within the cabin: Lighting, passenger displays and service calls,

galley and restrooms as well as water and waste-water systems. The modular construction allows the system to be easily adjusted to the most specific of requirements. It can be used as a complete system in its own right or as a supplementary system to an existing cabin management system.

The cabin management system is specifically designed for use in cabins: It is the central control panel that allows all flight personnel to monitor and control all cabin functions via a very simple-to-use user interface – the flight attendant panel. Alongside the functions for the cabin crew, the system also possesses extensive maintenance and self-testing functions. Our own software tools, developed in-house, support the aircraft manufacturers during the installation and configuration of the cabin management system during final assembly.



Competent advice leads to smart solution: The cabin management system, the highly functional interface between technology and people.

## LIGHTING CONCEPTS THAT ENLIGHTEN AND ILLUMINATE.

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Essential efficiency: Perfectly timed and automated.



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Despite mechanical precision, nothing can replace the human eye.



**Comfort, economy, and plenty of room for new ideas.**

How light can affect our moods is of fundamental significance, particularly for passengers on board aircraft. Because of the challenging environment within the cabin, comfort levels can be noticeably influenced by lighting. Adjusting the lighting according to the flight phase or the local time at the destination can make a considerable difference to jet lag. By using small, individually-controllable LED modules, even the most complex of scenes can be realized. Fluid transitions can be implemented in almost all colors – a sunset simulation with this technology is deceptively realistic. But the future is bringing more with it: The newest technological developments have, for example, enabled a three-tier

lighting system – from basic functional illumination, through mood lighting & branding, to smart surface visualization. This has engendered a whole new level of comfort features and USPs, and potentially also new income streams for OEMs and airlines.

Innovative concepts and unparalleled light quality are two significant factors in the leading position that Diehl Aviation holds. Efficiency is also of considerable importance. Economic purchase prices, reduced weight, long service life, energy-efficient operation, and optimized maintenance – the total outlay when it comes to providing cabin lighting for passenger aircraft can be significantly reduced with the LED-based lighting concepts from Diehl Aviation.

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Hard test: When luminaires try to outshine each other.



**UNCOMPROMISING CONTINUOUS OPERATION:  
IN THE LABS AT DIEHL, THE LIGHTING MODULES SHOW  
THEIR TRUE COLORS – ESPECIALLY IN PURE WHITE.**

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Hard test: The LED lights are tested through copious test procedures.



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The devil is in the detail: As the leader supplier of lighting systems, Diehl Aviation pays close attention to every single detail.



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The Light Verification Center provides the perfect framework for demanding of testing procedures.

The only one of its kind in Europe, the Light Verification Center at Diehl Aviation provides the perfect framework for the most demanding of testing procedures. Within this research environment, the objective advantages of LED technology can be precisely determined in terms of the relationship within the aircraft cabins. The results are lighting systems that not only achieve the optimum in quality and precision but also manage to do so along the length of a strip light. Alongside perfectly harmonized colored lights, this high standard is equally applicable to the pure white cabin lighting.

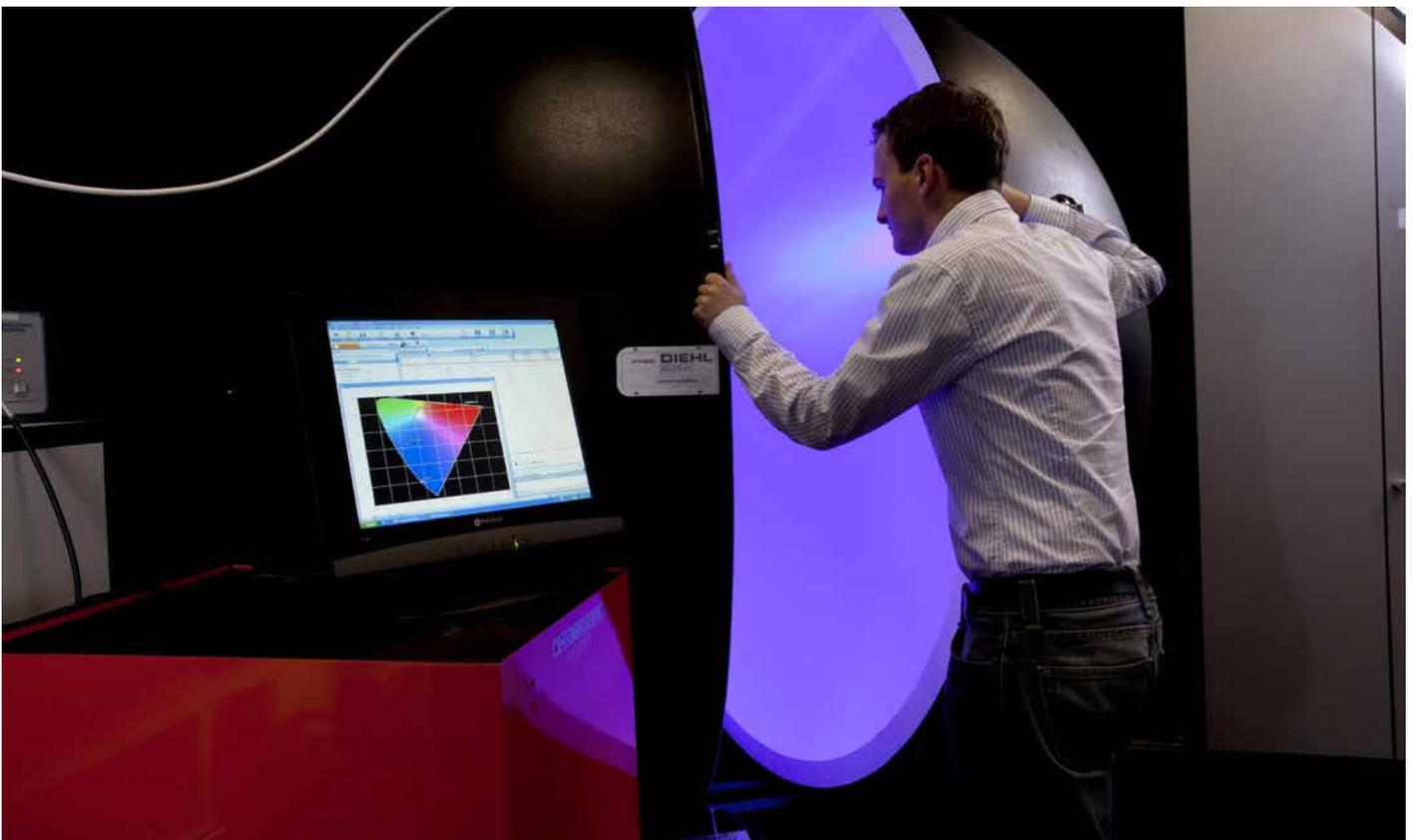
But en route to a homogeneous lighting situation, a further challenge reared its head: Every aircraft

manufacturer has their own aircraft families, and as such there are a number of different cabin linings with a variety of radii, surfaces, and panels. On top of this, each project has its own, very individual requirements. So for uniform illumination, the CAD data for each cabin is calibrated with the optical data of the lights.

This much, at least, can be done on-screen. Then, in the Light Verification Center, mechanical and electrical integration of the lighting systems are tested in a realistic, customer-specific cabin model. This enables the developers to work alongside the customers in a real environment during the product creation process.

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Uniform illumination:  
Homogeneous light across  
the entire light spectrum.



## REDEFINING CABIN EQUIPMENT: ELEGANT ON THE OUTSIDE, INTELLIGENT ON THE INSIDE.

Individual, durable, and lightweight – digital printing enables more creativity within the cabin.



Industrial Design – always open for new material and surface concepts.



A great deal of expertise – and space – is required in cabin equipment production.



### Form meets function in Diehl Aviation's side walls.

Decorative foils and varnishes on the side walls are the ultimate in bespoke finishes. Working closely with the airline, their corporate design is adapted and customized according to the individual cabin elements. But what lies behind these enticing designs is no less interesting. Complex, weight-optimized construction in the most modern materials and the intelligent integration of various control elements all combine to turn one single cabin part into a sophisticated system component. The intricate honeycomb structure offers both a high degree of rigidity and the possibility of adapting it to various geometrics. The impressive lightweight form of less than

1kg per m<sup>2</sup> makes this honeycomb technology an indispensable construction feature of the side wall. Direct installation on the site of the aircraft's final assembly is a very important consideration when it comes to logistics.

The use of the diverse lighting solutions offered by Diehl Aviation encourages customer-specific, highly-functional cabin interiors which leave virtually nothing to be desired. Options such as electric window shades are exemplary elements of this virtually unlimited degree of individualization from the holistic solutions at Diehl Aviation.

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This is what quality looks like:  
Final inspection of a side wall with  
perfectly-fitting window shades.



## EASIER TO USE THAN YOU'D THINK.

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On the finishing straight: The final touches to the overhead bins – shortly before final assembly.



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The electrical assembly of a door frame component requires extreme care and attention to detail.



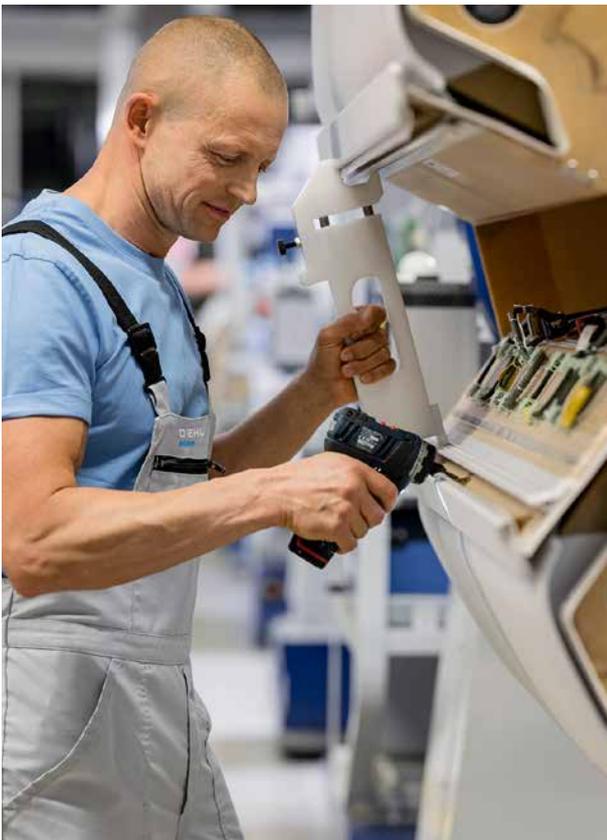
**Overhead bins from Diehl Aviation:  
Plenty of room for new ideas.**

With years of experience in the production of weight-optimized plug-and-play overhead bins, Diehl Aviation is today a globally-recognized specialist. Overhead bins are constructed both as fixed and movable bins. An improvement in the design of the movable bins has brought much appreciation: Optimized operation with power assistance. The integrated user tools make opening and closing the bins considerably easier for both passengers and cabin crew.

To better facilitate the installation of the overhead bins in the final assembly line, some systems, such as the Illumination Ballast Unit (IBU) are fully integrated by Diehl Aviation in Laupheim. With the help of a highly flexible tooling concept, different sized spacers can be used to fit any gap, regardless of dimensions or size. These spacers are more than just gap fillers: They can be used as valuable extra storage space for first aid boxes, as covers, or many other possibilities.

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Optimum preparation for Final Assembly: Integration of some systems during production.



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In preparation for final assembly counts uncompromising attention to detail.



## GALLEYS AND MONUMENTS BY EXPERIENCED SPECIALISTS.

Great design doesn't just look good. Functionality and ease of use make all the difference.



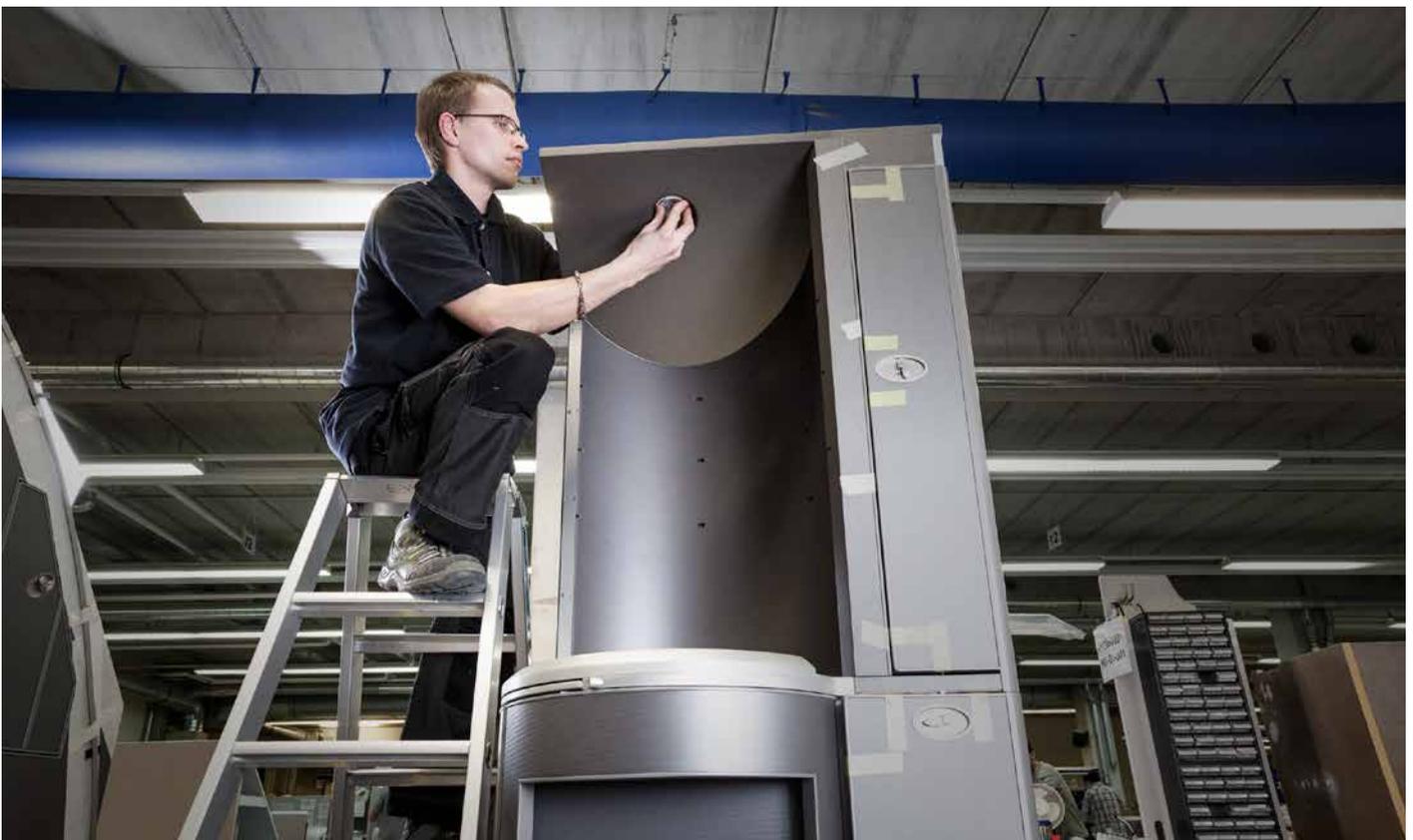
**The development, manufacturing, and maintenance of high-quality cabin interiors are what has made Diehl Aviation the global name it is today.**

Galleys have been a part of the product palette of the company for several decades and even now are still inspiring a constantly growing clientele. Many years of experience and an active passion for innovative solutions are the cornerstones of this international success: Diehl Aviation is synonymous with highly-modern, lightweight construction, and excellent product quality, creating products that are not merely robust but also impressive in the wide range of daily functionalities they offer.

From its site in Hamburg, Diehl Aviation supplies well-known airlines, aircraft manufacturers, and completion centers across the globe. The galleys, storage spaces, and dividing walls (partitions) are all developed and produced in-house and on-site. This means that our development engineers and technical production staff can find and manufacture weight-optimized solutions for nearly all individual customer requirements – as long as they are technically feasible! Diehl Aviation produces all cabin elements both as tailor-made individual products and in series, meeting a wide range of customer requirements with a high degree of flexibility.

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Installing an A380 bar for first class.



**SERVICE QUALITY MEANS  
SEEING A BIGGER PICTURE.**

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Cutting the decorative foil  
for a galley.



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In Testing, a galley is put  
through its paces.



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A glimpse into the Production Hall  
at Diehl Aviation.

Whether a cabin is able to meet the high demands of years-long daily use or not depends, not infrequently, on sophisticated, detailed solutions. Various small, special cabin components make the difference. This segment of the monument incorporates solutions for small storage areas (doghouses), dividing walls (partitions), and complex storage cupboards (stowages compartements), and even offers the option of becoming a modern business class bar.

Today, modern aircraft cabins need to be flexible and adaptive. The stowalley enables the optimal and simple alteration of the cabin according to the route traveled,

and to other needs such as more galley or storage space. The combined stowalley is a versatile monument that optimally fulfills these requirements thanks to its flexibility. Flexible and practical – a storage compartment in summer, a wardrobe compartment in winter – the stowalley can be used in many different ways.

The Diehl Aviation portfolio is complemented by the wide range of services for all products supplied: From product support and the provision of spare parts through the reliable execution of repairs and testing to the implementation of various retrofit and modification requests.

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Quality is visible during everyday use – and in the context of the diverse service options available.



## OUTSTANDING SANITARY SOLUTIONS AND CABIN MODULES.

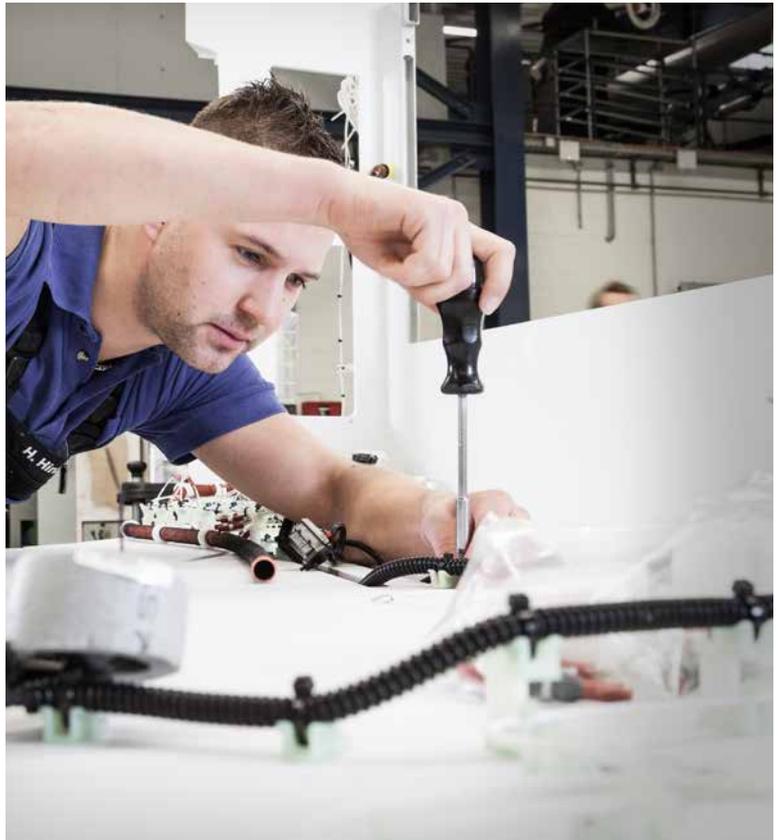
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Highest quality and the promise to fulfil each individual customer's requirements.



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It's what's on the inside that counts, too: Lavatories have a lot more to offer than just looking pretty.



**Diehl Aviation meets demanding, individual customer requirements with experienced realization and the implementation of state-of-the-art technology.**

Diehl Aviation has long been established as a reliable and innovative supplier in the construction and manufacture of lavatories for the Airbus aircraft family. In addition, the company is a globally-active, preferred partner in manufacturing and maintenance to well-known airlines and major retrofitters. Thanks to the constantly increasing number of aircraft active around the globe, the individual retrofit solutions on offer from Diehl Aviation are also growing in number, strength, and importance.

Compact design means the cabin can be designed even more efficiently, with space for up to an additional six seats being found. But comfort is still of the utmost importance and has led to a true USP: With accent lighting, hands-free operation, and high-quality finishes.

Diehl Aviation offers sanitary solutions of the highest quality while also promising to precisely implement each individual customer's requirements. Economy and flexibility go hand in hand with maximum comfort and attractive aesthetics. Thanks to its modular design, a complete unit can be easily and quickly deployed in any aircraft, in any class, and in any configuration; and all completely independent of any given cabin layout.

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100% comfort: Futuristic lavatory with sophisticated finishes and accent lighting.



## PEACE AND PRIVACY IN THE SKY: RESTROOMS, LAVATORIES, AND MORE.

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Detailed: Thorough planning is the key to a comprehensive system solution.



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Concentrated: Water supply construction for the A330 in Pre-Assembly.



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Safe: Extensive functions testing continually confirms the high quality of the lavatory units.

**Where core competencies meet system responsibilities.**

Drawing on many years of experience in the development of aircraft lavatory systems, Diehl Aviation today serves a constantly growing clientèle with retrofit solutions for fleets already in the air: From showers through changing rooms to comfortable bathrooms. Our customer base is comprised of equipment and maintenance companies in addition to the traditional, well-known aircraft manufacturers and airlines.

With the increasing number of long-haul flights and wide-body aircraft, so is the need for restrooms and lavatories increasing. With this in mind, Diehl Aviation currently offers completely new solutions and highly innovative concepts that perfectly harmonize both with the technical challenges presented by the materials and the customers' requirements.

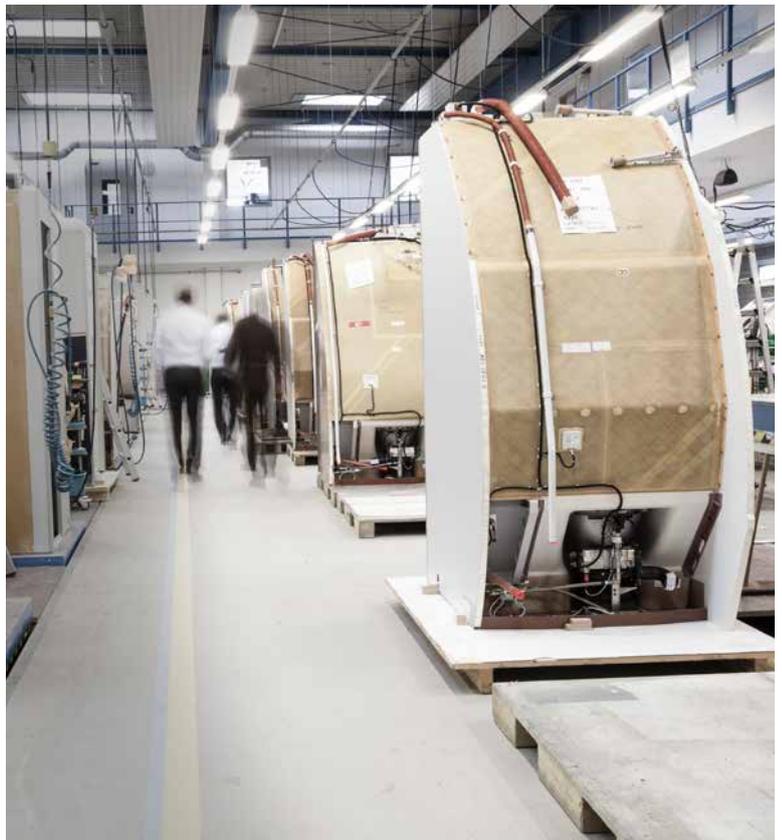
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Final assembly of the A380 crew lavatory by the cockpit.



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On the road to success: Diehl Aviation lavatories are used all over the world.



## FRESH IDEAS AND UNCOMPROMISING SAFETY.

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Reality is the measure:  
Testing all supply systems  
in true-to-original size.



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Precision: In assembly every  
employee demonstrates what  
"made by Diehl Aviation" means.



**Diehl Aviation has impressed customers across the globe with its system solutions for water supply and waste water disposal as well as for fire prevention and air-conditioning.**

With innovative new and further developments, the company is able to fulfill even the most challenging of customer requirements – from the first system specifications through to constructive, detailed development, including any associated software development. With its modern, complete systems, which meet the highest quality standards, Diehl Aviation has been a supplier of water and waste water systems for many years. Building on this basis, Diehl Aviation also takes responsibility for the overall system integration as well

as verifying true-to-original system test facilities across the performance spectrum. The company is also impressive in the field of air management, with decades of experience and innovative development history. Whether it's the cooling of food and drinks or air-conditioning for the cabin area: The wide range of air management products contributes significantly to the comfort and safety of passengers. Diehl Aviation is also one of the world's most innovative in terms of the development and production of complete solutions for smoke alarm systems – for aircraft and rolling stock. Smoke detection systems are indispensable when it comes to safety on board: Not only do they provide early smoke and fire detection, but also offer targeted control of the fire-fighting system.

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No problem with negative pressure: Testing the waste water tank for safe operation at ambient pressure.



# BREATH DEEPLY AND RELAX.



Diehl Aviation guarantees quiet operation even in the most complex of air-conditioning systems.

**A good air-conditioning system should neither be seen, heard, nor even smelled – in fact, it should be completely invisible!**

For years, Diehl Aviation has made use of state-of-the-art technologies that have meant that even carbon fiber and glass-fiber plastics can be used in the most complex of geometrics. Diehl Aviation has solved another technical challenge with foam ducting: Insulating the air supply lines to prevent condensation. Here, a special, closed-cell foam is the key to a secure and isolated system. Semi-rigid air-conditioning pipes are up to 40 percent lighter than

conventional composite pipes, and the quality is impressive too. These Diehl Aviation systems outlast the life cycle of an aircraft, and don't require any maintenance; only the filter elements need regular checks.

Incidentally, Diehl Aviation's air-conditioning solutions are among the quietest systems of their kind, using special sound-proofing and air-conduction measures.

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Diehl Aviation manufactures powerful air-conditioning systems in numerous variations.



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Laminating an air duct for flow regulating the cabin supply.



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Each handle sits - thus ventilation pipes survive the life cycle of an aircraft without any maintenance.

## OUTFITTING THE CABIN IN THE LATEST FASHIONS.

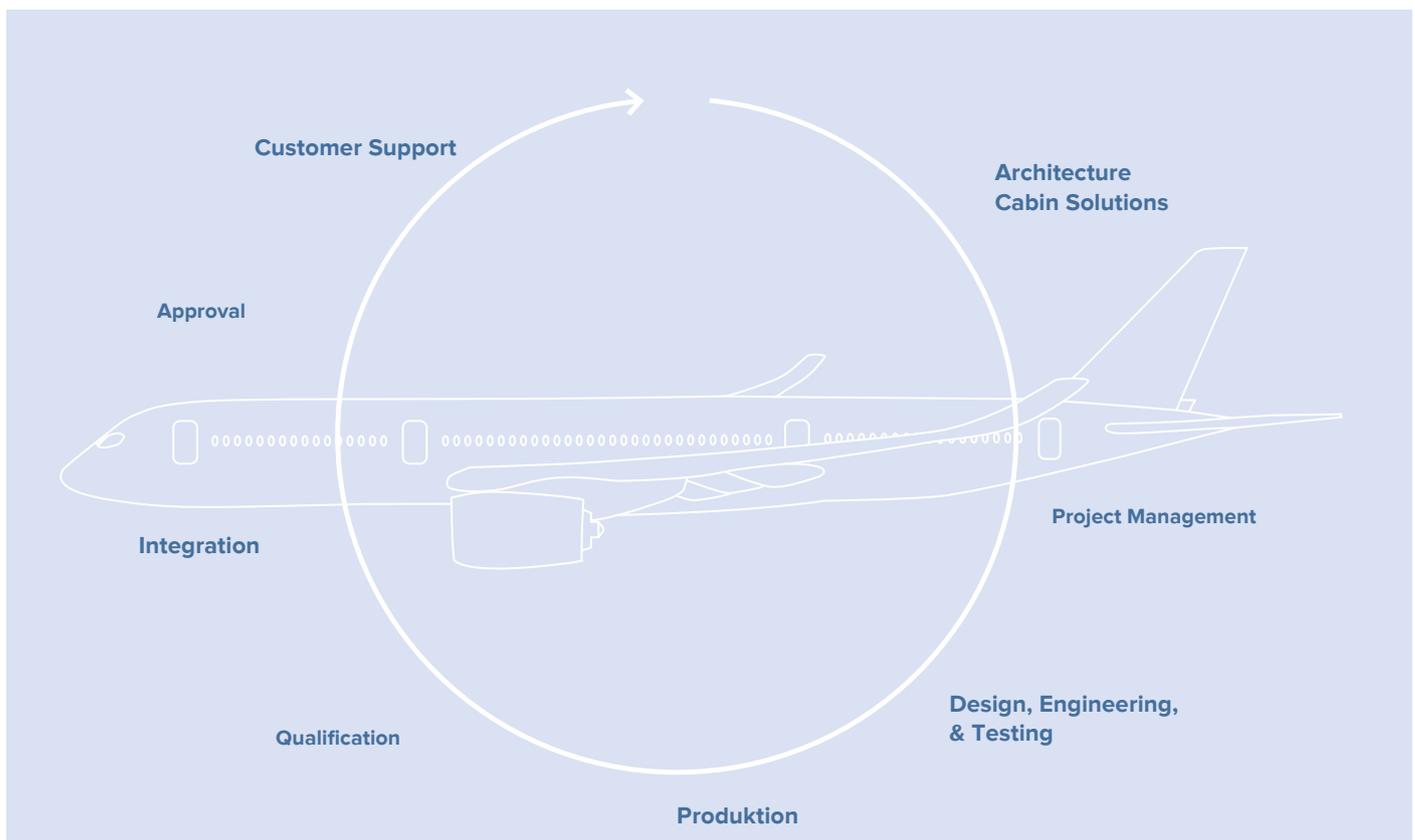
### One-stop retrofitting service.

With the expansion of the retrofit division as an independent business area, Diehl Aviation has established a new focus. By integrating all retrofit activities into one common organizational unit, it is now possible to offer comprehensive product and service packages or – together with the customer – to develop innovative bespoke solutions. It has never been easier or more efficient to renew cabin equipment in a such short time over the full lifetime of the aircraft – for both large and small airlines.

**Full solution – full service:** From the initial advice through planning to development, production, integration, and approval.

When looking for a retrofit solution for products and systems from a single source, you need a competent partner who is at home in all areas. As an experienced full-solution provider, Diehl Aviation offers everything from initial consultation and planning services to the implementation of development and manufacturing tasks to the approved STC integration (Supplementary Type Certificate). Satisfying customer wishes efficiently means reproducing the complete process chain, including all individual services, at all times. This is why Diehl Aviation works with a whole team of proven airline, integrator and

Diehl Aviation's complete solution proves that you can rely on comprehensive service.



MRO specialists, added to which is the consistent and leading quality ensured by standardized, highly-industrialized and flexible processes.

The many years of experience with product programs for aircraft manufacturers and the related position as one of the leading suppliers of cabin and system solutions also benefits the airlines and MRO customer. Diehl Aviation offers a wide range of retrofit expertise based on the company's market position. In addition to its own locations, Diehl Aviation has a global network of partners and is therefore also able to guarantee on-site customer service.

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SKYPAX - the fully integrated system creates space for trolleys, a double lavatory and up to twelve additional seats.

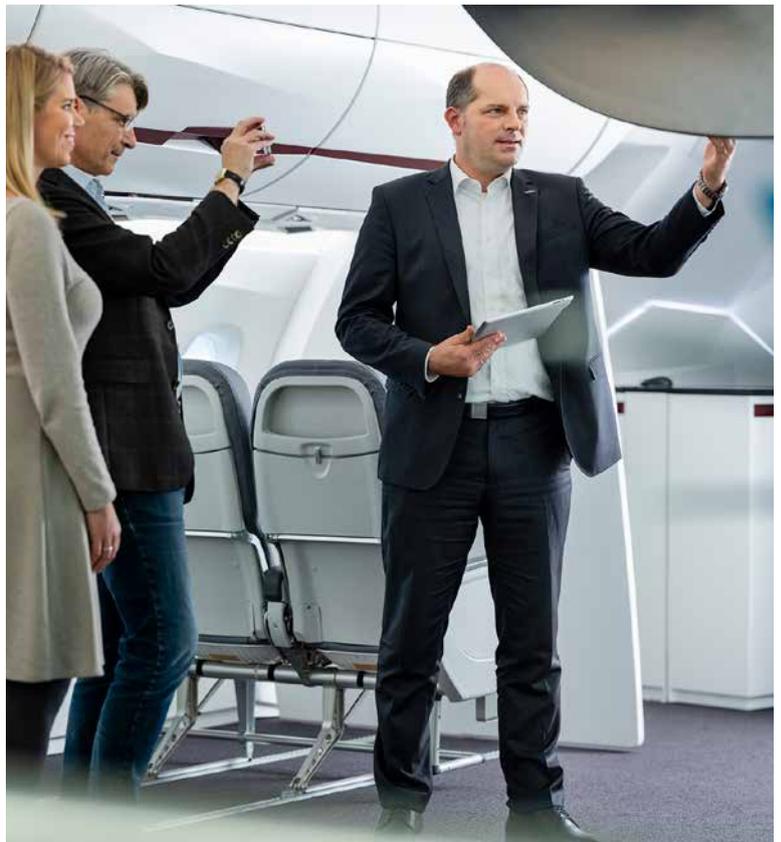


Sound advice is key when it comes to finding the most efficient implementation of individual customer requirements, and with the shortest possible delivery times.

The broad solution portfolio and the optional integration of all cabin components from a single source enable the weight- and cost-optimized combination of all conceivable cabin monuments. Diehl Aviation proves this with SKYPAX - a fully integrated galley and lavatory monument. It creates space for up to two additional rows of seats - without compromising passenger comfort. As an experienced product and system supplier, Diehl Aviation stands for listening, understanding and fulfilling individual requirements.

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Specialists who listen and experts who fulfill customers' desires.



**CURIOSITY ISN'T  
A STRATEGY.  
IT'S A WAY OF LIFE.**



**CRYSTAL  
CABIN  
AWARD®**

WINNER 2017

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CCA winner 2017: Joy  
at receiving the award.



**Intensive research and development, and continuing collaboration with institutes and colleges characterize the motivation of the entire company: Always being the decisive step ahead.**

The Diehl Aviation Innovation Process emphasizes this ambition and defines the framework for the solutions of the future with its interdisciplinary orientation. Already today, the company stands for pioneering concepts that address the entire cabin. As a creative thinker and pioneer in the industry, Diehl Aviation is constantly driving this holistic approach forward. Thus, the networked cabin is already more than just a buzzword. Numerous smart solutions are already in use and more are on the verge of being implemented.

**Smart Surface Visualization – completely new applications with innovative projection systems**

The pioneers of mood lighting have once again redefined lighting. It's time for the next step: With special projectors, controls, and software it is possible to turn every cabin into a 360-degree cinema.

**Winner of the Airbus Innovation Award 2018:**

**Air Refrigeration Unit (ARU)**

Highly efficient cooling of food and beverages is good. But of course an award-winning solution can do much more: The ARU from Diehl Aviation is extremely compact. It is low-noise, lightweight, easy to maintain, low-consumption and at the same time extremely reliable and powerful. Thanks to the ARU's high performance, up to six trolleys can now be cooled simultaneously.

**Recognized with the Crystal Cabin Award:**

**Powerline communications in the aircraft**

Data over the power supply? Normality at home – but until now, merely a pipe dream in the sky. The trend toward more electrical aircraft has increased the complexity of cabling. Which is why, together with the University of Lucerne, Diehl Aviation developed powerline communications for aircraft. Fewer cables offer the advantage of reduced maintenance, as well as noticeably reducing the weight.

Illustration & Smart Surface  
Visualization: holistic lighting competence and innovative accents.



## GLOBAL CUSTOMER SERVICE FROM DIEHL AVIATION – COOPERATIVE, COMPETENT, AND RELIABLE.

- TECHNICAL ON-SITE SUPPORT
- AOG-SERVICES
- TECHNICAL ENGINEERING SUPPORT
- REPAIRS
- TECHNICAL PUBLICATIONS
- TRAINING
- WORLDWIDE SPARES DISTRIBUTION

Maximum customer focus:  
The 360° Service Program from  
Diehl Aviation.

Highest service quality is  
also reflected in detailed  
troubleshooting.



Whether it's avionics, galleys, or cabin linings – our extensive after-sales service network ensures that all Diehl Aviation products are in good hands throughout the lifetime of your aircraft.

With a fast and particularly efficient on-site support Diehl Aviation ensures the smooth final assembly of the components directly on site in the Final Assembly Lines of the OEM customers. In doing so, all on-site support locations are networked. In this way, the high quality of service at all our locations around the globe can be realized at one and the same level.

Diehl Aviation operates Customer Service Centers in the three major regions of the world. They do far more than provide the required spare parts and equipment at the desired time and carry out repairs quickly and in OEM quality. At these bases, customer service and the associated service portfolio are continuously developed according to fleets, current market trends and, above all, individual customer needs.

The service company OEMServices, co-founded by Diehl Aviation, provides additional flexibility and maximum customer orientation. Under this common umbrella, several competent aviation suppliers organise the logistics and operational availability of the products on behalf of the airlines.

As a partner to the aviation industry, Diehl Aviation is always on hand with the full range of technical support. In addition to fault analyses, repair and maintenance services, technical documentation and comprehensive advice - also on site - are important components of the service program. Tailor-made training courses for maintenance staff and a continuous exchange of information on product behaviour also support the safe and efficient use of all products. For this purpose, the Customer Service Centers and the on-site support are specifically supported by product specialists from the local development and production sites.



And if it comes to an "aircraft on the ground", whatever is needed from Diehl Aviation is dispatched immediately, to wherever the customer needs it.

## AT HOME, ACROSS THE WORLD.

Customer Service is a centrally-managed unit that is available across the globe whenever competent and efficient support is needed. Whether it's replacement parts, repairs, or technical support, Diehl Aviation is always your partner on site – for the entire lifetime of the aircraft.

- Development and Production
- Production
- Customer Service and On-Site Support (OSS)
- Liaison Office



## PLATFORMS.

Diehl Aviation has long been acknowledged as being a strategic partner to the international aviation industry, and with its many innovative solutions is set to be a driving force in the future. The integrated product spectrum from Diehl Aviation is comprised of a variety of cabin elements and avionics systems. Diehl Aviation products and systems are today represented across all

notable platforms of the leading global suppliers of aircraft. With a broad range of customer services covering the maintenance and repair spectrum, Diehl Aviation also offers invaluable service quality, something which is essential for daily flight operations around the globe.

A few of our civil customers



A300/310 Family  
 A320 Family  
 A330/340 Family  
 A380 Family  
 A350 XWB Family  
 EC135

737 Family  
 747 Family  
 767 Family  
 777 Family  
 787 Dreamliner

Global 7000/8000

Embraer 175/190/195-E2  
 Embraer 135/140  
 Embraer 170/190  
 Legacy 600  
 Phenom 100/300



A few of our military customers

Gulfstream



Gulfstream G280

A400M  
Tornado  
Eurofighter  
Tiger  
NH90

KC-46

Diehl Aviation  
Am Flugplatz  
88471 Laupheim  
Tel.: +49 7392 703-0  
Fax: +49 7392 703-1860  
[www.diehl.com/aviation](http://www.diehl.com/aviation)

# **COME FLY WITH ME, LET'S FLY, LET'S FLY AWAY**

**Frank Sinatra**  
composed by Jimmy Van Heusen,  
lyrics by Sammy Cahn.

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**DIEHL**  
Aviation

**CLIMBING HIGHER. TOGETHER.**



**Flight Control Units**  
Cockpit Systems

Flight Control Units

**Display Systems**  
Cockpit Systems

Multi-Function Displays  
Display Management Computer

**Crew Rest Compartments**

Noise Masking Unit

**First Class Lavatory**  
Comfort Modules

First Class Lavatory  
Shower Cabins

**High Lift Systems**

Flight Control Systems

Flaps Lever  
Slat Flap Control Computers  
Flight Control Electronics

**Galleys**

Service Modules

Classic  
VIP

**VIP Furniture**

Service Modules

VIP Furniture

**Window Shades**

Floor-to-Floor/Lining

Window Shades

**Special Lights**

Interior Lighting Systems

Mood Lighting System  
Dome Lights  
Monument Lights  
Star Sky  
Projections

**Bars**

Service Modules

Bars  
Ancillary Monuments

**Doors and Slides Management**

Utility Systems

Doors and Slides Management  
Sensors

**Door Frames**

Floor-to-Floor/Lining

Door Frames

**Cabin Management Systems**

**Water Management**

Potable Water Tank Module  
Water Treatment Module  
Waste Tank Module  
Vacuum Generators  
Pipes

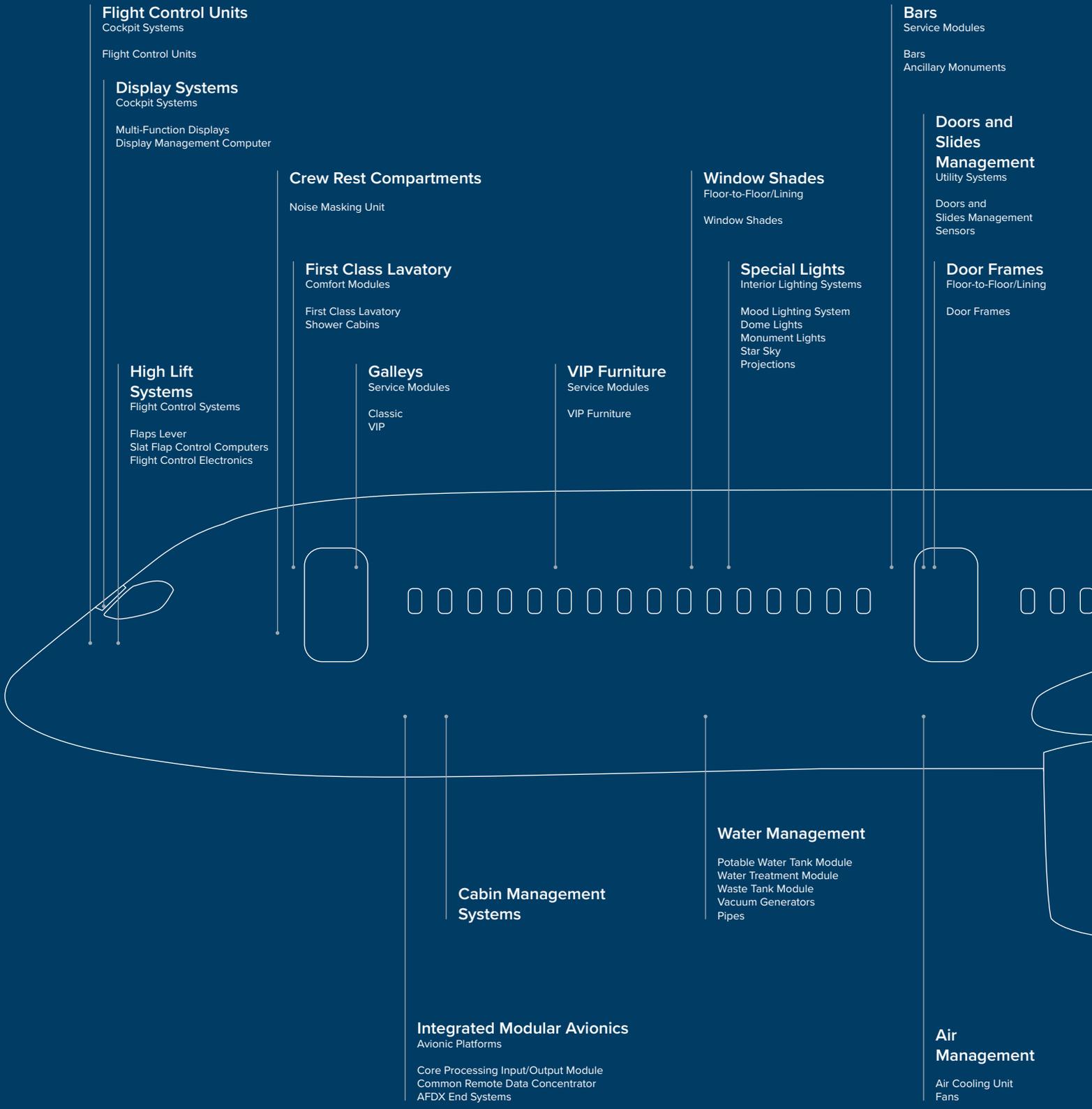
**Integrated Modular Avionics**

Avionic Platforms

Core Processing Input/Output Module  
Common Remote Data Concentrator  
AFDX End Systems

**Air Management**

Air Cooling Unit  
Fans



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### Safety Systems

Safety and Supply Systems

- Emergency Power Supplies
- Emergency Lighting
- Floor Path Marking

### Regular Light

Interior Lighting Systems

- Side Wall & Ceiling Lights
- Spot & Reading Lights

### Lining

Floor-to-Floor/Lining

- Lining
- Digital Printing

### Side Walls

Floor-to-Floor/Lining

- Classic
- Decor Cover

### Hatracks

Floor-to-Floor/Lining

- Movable Bins
- Fixed Bins
- Comfort Bin

### Fire Protection

- Smoke Detector
- Fire Protection Control System

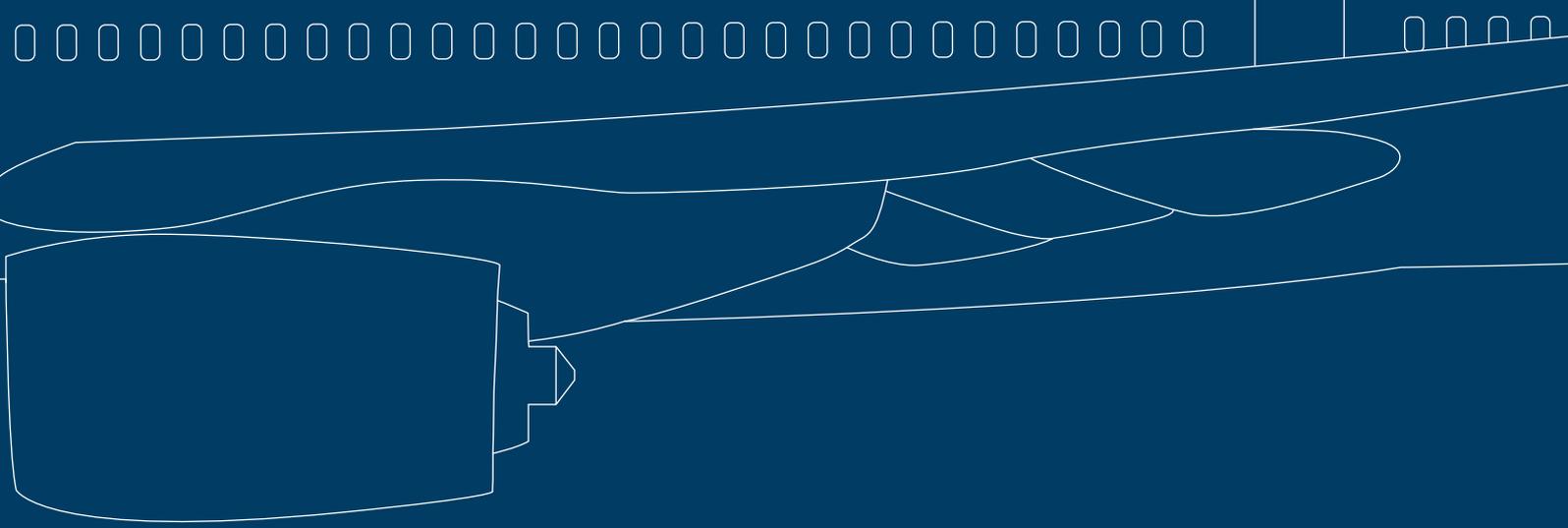
### Standard Lavatory

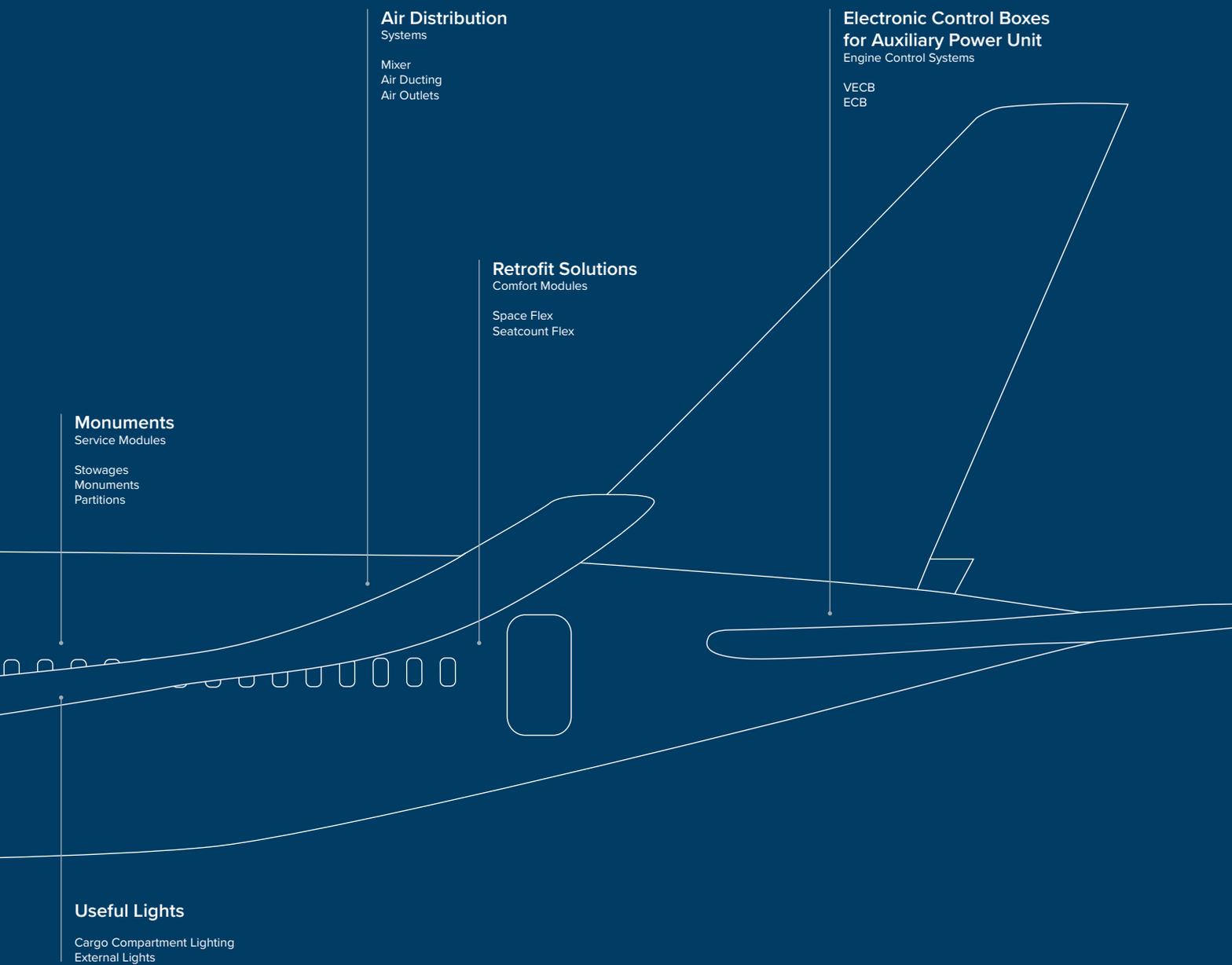
Comfort Modules

Standard Lavatory

### Signs

- Exit Signs
- Custom Signs





**Diehl Aviation – proud partner to the aerospace industry**

Wherever you lay your eyes, from the cockpit to the passenger zone, from the galley to the restroom, or the crew rest compartments – practically everything you see is a result of a solution developed by Diehl Aviation and its partners. It is this big picture that makes Diehl Aviation so unique. Whether as First Tier Supplier to manufacturers or as Retrofit Partner to Airlines, together, almost anything is possible. Climbing higher. Together.



## CLIMBING HIGHER. TOGETHER. WHEN PASSION FOR AVIATION MEETS A LOVE OF PERFECTION.

Diehl Aviation is one of five Divisions of the Diehl Group, a family company with a worldwide presence in many areas of industry, employing around 16,000 people across the globe.

Diehl Aviation is a globally active company, uniting people whose passion for aviation is as great as their pursuit of excellence. As an international First Tier supplier of Avionics and Cabin Integration, Diehl Aviation is a well-respected partner to the aerospace industry. In the past, this cooperative approach has facilitated many pioneering developments. Diehl Aerospace, and the areas of Avionics and Cabin Lighting, is a joint venture of Diehl Aviation and the French company Thales; as such it is a prime example of the vital partnerships Diehl Aviation actively promotes.

The portfolio of Diehl Aviation not only includes Avionics and Cabin Outfitting but also Galleys, Lavatories and Monuments, Sanitary Solutions for aircraft, Fire

Prevention, Water Supply, and Air-Conditioning as well as a comprehensive Retrofit service. Thanks to global customer service, Diehl Aviation products are in the best of hands for the entire life cycle of the aircraft.

Almost all of the well-known aircraft manufacturers are customers of Diehl Aviation: From Airbus and Boeing, to Bombardier, Embraer, and Gulfstream. In addition to this, Diehl Aviation is also a supplier to manufacturers for various military programs, such as Tiger, Eurofighter, and A400M.

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**Water Management**

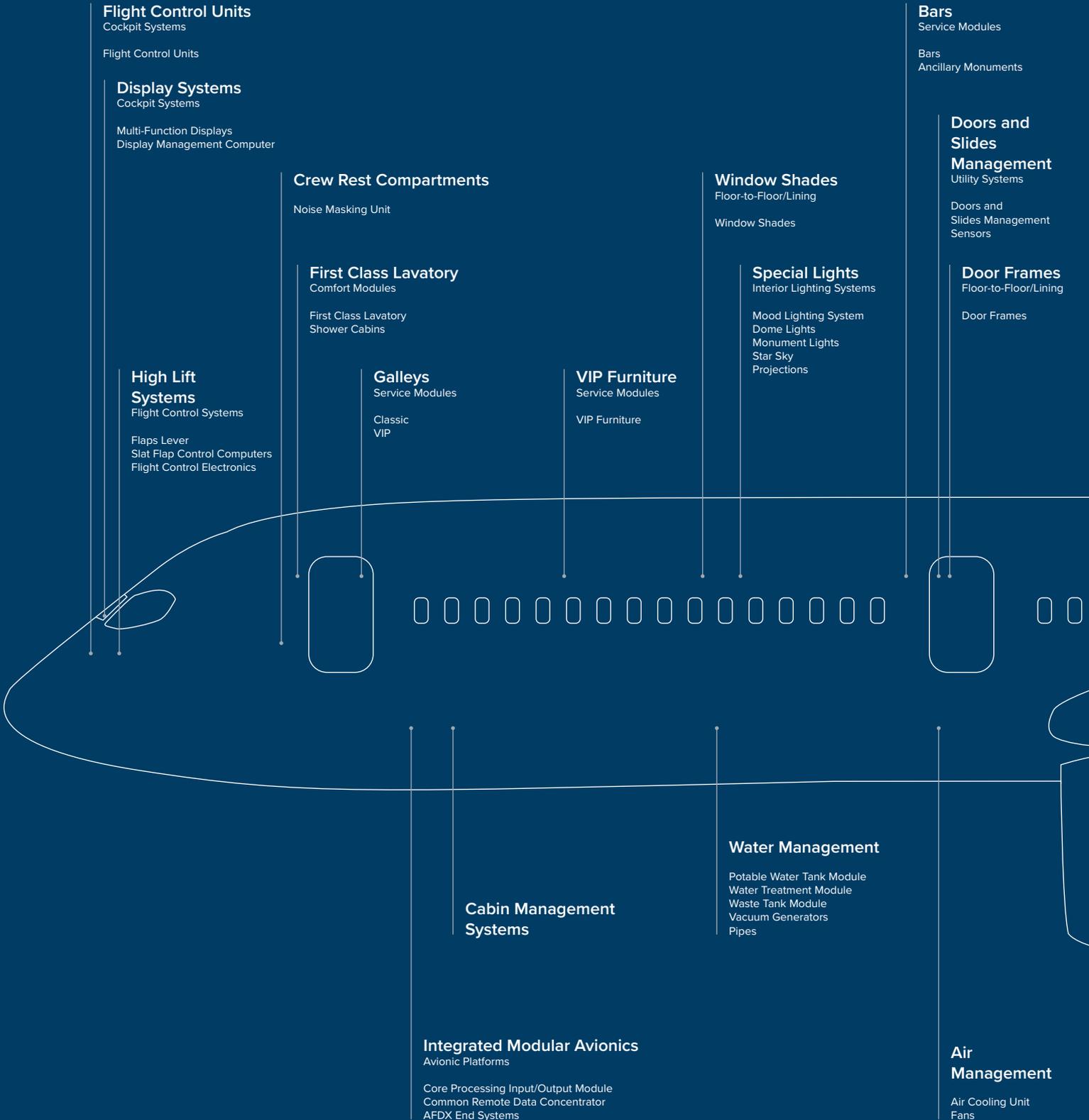
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Floor Path Marking

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Lining  
Digital Printing

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Decor Cover

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Floor-to-Floor/Lining

Movable Bins  
Fixed Bins  
Comfort Bin

### Fire Protection

Smoke Detector  
Fire Protection Control System

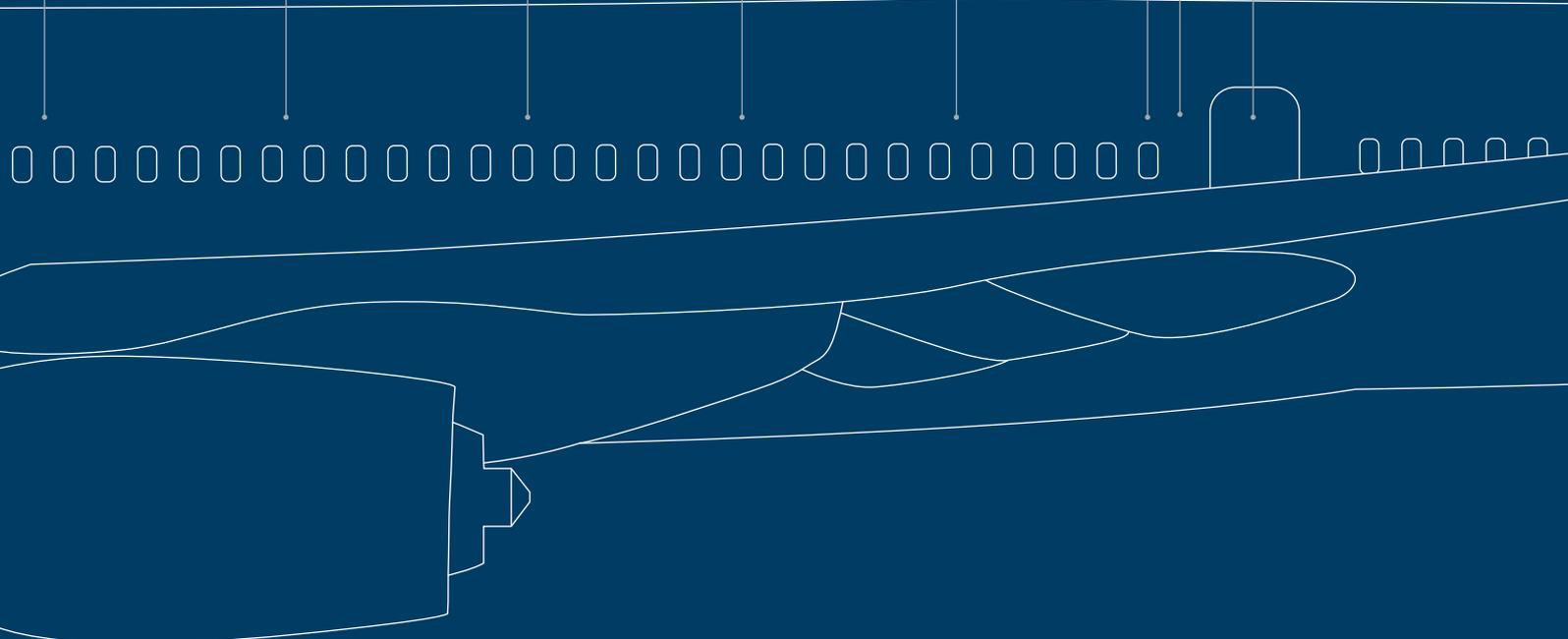
### Standard Lavatory

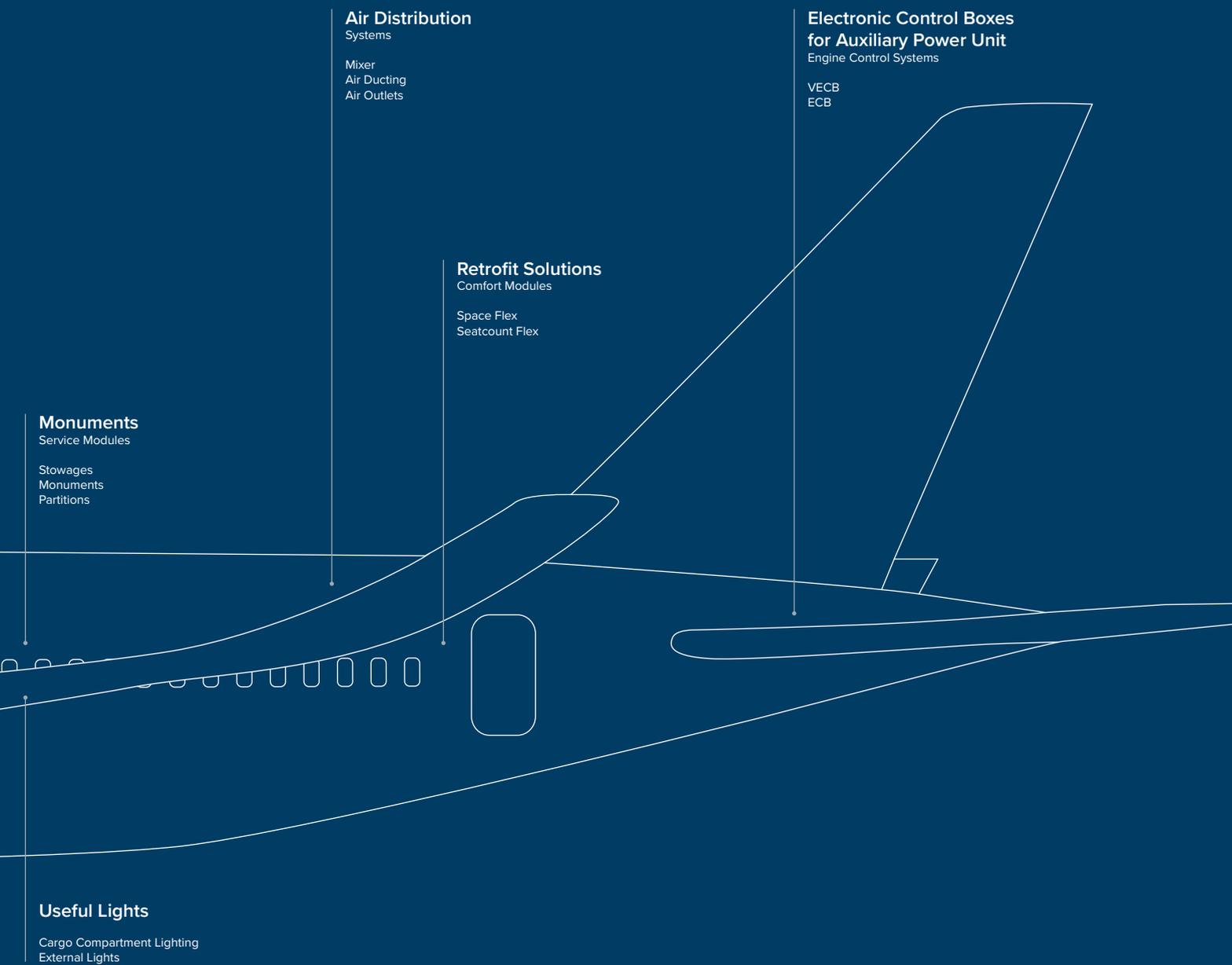
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