

HAECO | Group

e-newsletter

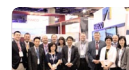


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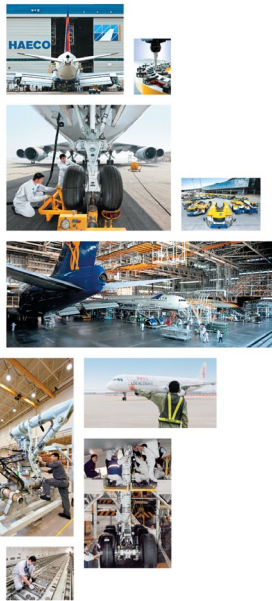


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Group Services



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✈ Airframe Services



American Airlines selects HAECO

The world's largest airline has chosen HAECO to support its Boeing 777-200 fleet. Set to launch its new nonstop service between Dallas/Fort Worth and Hong Kong in June, American Airlines will send a total up to 47 Boeing 777-200s to HAECO for Main Base Visits (MBV), interior retrofits, as well as Global Communication Suite (GCS) and Nitrogen Generation System (NGS) installations. In preparation for the prototype input on 2 July, American Airlines and HAECO conducted 30-day readiness meetings on 9 and 10 June. ▸

✈ Airframe Services



New contract

In February, Air Astana contracted Taikoo (Xiamen) Aircraft Engineering Co. Ltd. (TAECO) to undertake C-checks on its Airbus A320 and Boeing 757-200 fleet. The programme, which will run until 2018, will see TAECO perform C-checks on 37 of the airline's Airbus A320s and 13 Boeing 757-200s.

The business partnership with Air Astana commenced in 2012, when TAECO carried out a Boeing 767-300ER C-check for the airline. To date, TAECO has completed 17 heavy maintenance and cabin installation projects for Air Astana on its Airbus A320, Boeing 757 and Boeing 767 aircraft. ▶

✈ Airframe Services



TAECO completes lease return check programme

On 17 March, TAECO completed a programme of lease return checks on six Dragonair Airbus A330 aircraft. The airline expressed its appreciation for the support provided by TAECO throughout the project, which was more demanding than usual. Dragonair and Cathay Pacific together operate a 54-strong Airbus A330 fleet, making the Cathay Pacific group the largest operator of this aircraft type in the world.

Over the years, the HAECO Group has developed into a centre of excellence for the Airbus A330. With HAECO and TAECO providing airframe services, heavy checks and line services, Hong Kong Aero Engine Services Limited (HAESL) overhauling and servicing the Trent 700 engine, and Taikoo Spirit Aerosystems (Jinjiang) Composite Co. Ltd. providing nacelle and thrust reverser repair and overhaul on the Trent engine, the Group has become a one-stop-shop for A330 operators around the world. ▸

✈ Airframe Services

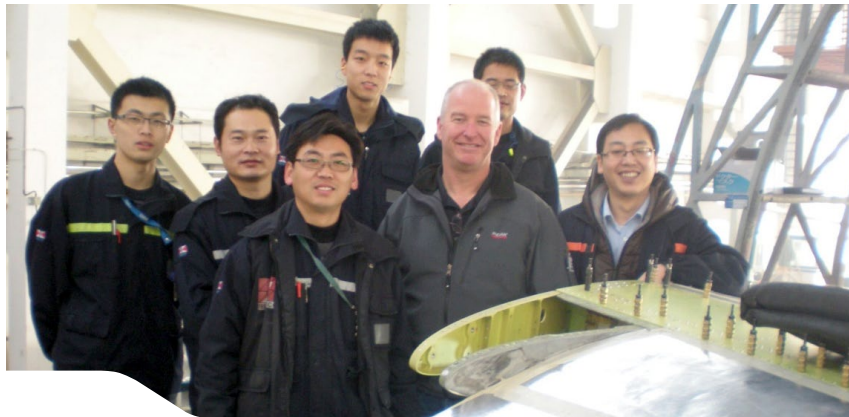


ANA contract

In 2012, All Nippon Airways (ANA) launched a programme to refit its older Boeing 777-300ER aircraft with the new "Inspiration of Japan" concept cabin interior. After completing six aircraft in-house, ANA decided to contract out the remaining aircraft in the programme to external MRO service providers.

TAECO undertook cabin modification on one of ANA's Boeing 777-300ERs in January, and the airline was impressed by the company's outstanding workmanship, excellent project management and timely redelivery. ANA has contracted to send TAECO another five aircraft for interior retrofit. ▸

✈ Airframe Services



STAECO marks milestone

On 27 March, Taikoo (Shandong) Aircraft Engineering Co. Ltd. (STAECO) completed its first winglet modification on a Boeing 737-800 aircraft for Shanghai Airlines. The STAECO team made extensive preparations before carrying out the new procedure, to ensure quality service delivery and minimal ground time for the customer. By optimising methods and procedures used in the modification, STAECO was able to complete the work ahead of schedule and to deliver outstanding workmanship, earning high praise from the customer.

To date, the HAECO Group has completed over 170 winglet modifications on Boeing 737NG, 757 and 767-300 aircraft at its facilities in Asia and the USA. ▸

✈ Airframe Services

High demand for lease return support

As domestic carriers in Mainland China undergo rapid development, demand for lease return checks have reached an all-time high. In an effort to enhance the support it provides to its airline customers, STAECO has established a special taskforce to facilitate better understanding of customers' requirements, as well as lease return terms and procedures for specific aircraft.

STAECO's customer service enhancements have been well-received: in 2013 alone, the MRO performed lease return checks on narrow-body aircraft for a wide range of lessors and operators, including GE Capital Aviation Services (GECAS), Shandong Airlines, China Eastern Airlines, Shanghai Airlines, China United Airlines, Okay Airways, Fortuna Jet Aviation and many others. ▸



✈ Line Services

Airbus A380 line services

In December 2013, TAECO was certified by the European Aviation Safety Agency (EASA) to provide full line maintenance support on the Airbus A380 aircraft type.

The MRO has been providing technical support to Lufthansa AG's Airbus A380 aircraft at Beijing Capital International Airport (PEK) since November last year. After attaining EASA authorisation for the aircraft type, TAECO is now in a position to provide full line services to Lufthansa's Airbus A340 and A380 aircraft, which visit PEK twice weekly. ▶



✈ Inventory Technical Management



THAI collaboration

HAECO ITM and Thai Airways (THAI) have recently entered into an agreement to collaborate on aircraft component repair, drawing on their collective strengths to enhance the product offerings of the two companies.

Under the initial collaboration framework, HAECO ITM has identified a list of aircraft components that can be repaired at THAI's technical facilities at Don Mueang Airport in Bangkok; whilst THAI will be able to leverage on HAECO ITM's extensive component workshop capabilities at Hong Kong International Airport.

Both partners take a long-term view of the arrangement and will be aiming to expand the part-number scope of the collaboration, as well as exploring the possibility of inventory sharing in the future. ▸

✈ Technical Training



HAECO trainees graduate

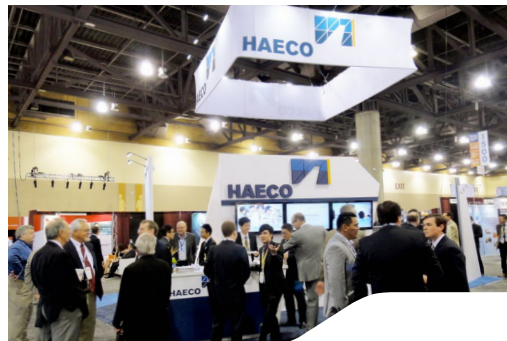
On 21 March, 141 HAECO trainees celebrated the completion of their studies at 2014's Aircraft Maintenance Trainee Graduation Ceremony. Hosted by HAECO senior management, the graduates were joined by proud family members at this special event. Ten graduates were presented with an "Outstanding Trainee Award", each receiving a specially crafted "Golden Speed Wrench" to mark their outstanding performance over the course of the programme.

Speaking of the importance of nurturing talent for the industry, HAECO CEO Augustus Tang noted, "HAECO is the only organisation in Hong Kong that offers comprehensive training to people who wish to join the aircraft engineering industry. We provide our staff with a goal and a long-term opportunity to develop their careers."

Over the years, HAECO has trained over 10,000 accredited aircraft mechanics and more than 700 qualified engineers, who are now contributing to the quality and safety of the global aviation industry. ▽



Company Events



HAECO Group participates in MRO Americas

In April, the HAECO Group took part in *Aviation Week's* MRO Americas Conference and Exhibition, held in Phoenix, Arizona, USA; it was the first time HAECO had participated in this event. For US-based TIMCO, which also exhibited at the event, it was the first time the company had taken part as a member of the HAECO Group, following its acquisition in February this year. The Group showcased a comprehensive suite of aircraft engineering services, and Group company representatives took the opportunity to network with customers, business partners and other industry players.

MRO Americas is an annual signature industry event that explores the future of aviation and the MRO industry through a series of discussions. This year's event drew together nearly 10,000 industry professionals, while the exhibition hall hosted 720 MRO product and service providers from 72 countries globally. ▸



Aircraft Interiors Expo

HAECO, TAECO and HAECO Cabin Solutions, LLC ("HAECO Cabin Solutions") jointly took part in the Aircraft Interiors Expo 2014 held in Hamburg, Germany, in April. Exhibiting under the brand HAECO Cabin Solutions, it was the first time the HAECO Group has had a presence at the show.

Aircraft Interiors Expo is the world's largest show dedicated to the aircraft interiors industry. Every year it attracts thousands of people from around the world for a three-day exhibition showcasing the latest products and service offerings. During the show, HAECO Cabin Solutions presented the Group's wide range of services and capabilities, ranging from design, vendor management and installation through to certification, as well as VIP cabin completion. Also exhibiting at the show was TIMCO Aerosystems, which is now a member of the HAECO Group. The company demonstrated its cabin interiors portfolio, including engineering services, certification, modifications and manufactured products. ▸



ABACE

TAECO recently took part in the Asian Business Aviation Conference and Exhibition (ABACE), held in Shanghai, China in April.

As Asia's first and only Airbus approved and Boeing licensed Cabin Completion Centre, TAECO showcased its capabilities to business partners and potential customers. Highlights included the delivery of its first green Airbus ACJ319 cabin completion project in late 2013, and the completion of a Boeing 737 cabin reconfiguration project in May this year. TAECO is currently working on two green cabin completion projects, as well as several VIP Airbus and Boeing aircraft airframe maintenance projects in conjunction with cabin refurbishments.

More than 180 exhibitors took part in this annual event, which also attracted government and industry leaders from Mainland China and around the Asia Pacific region. During the three-day event, TAECO's booth was constantly filled with new and old friends, discussing business developments and opportunities for the future. ▶





HAECO supports MRO conference

HAECO took part in the Airline Engineering & Maintenance – China & East Asia Conference, held in Hong Kong in March. HAECO Executive General Manager (Base Maintenance & Material Management), Patrick Wong shared his views on how leading MROs in the region need to modify their service concepts in the tougher business environment.

Organised by *MRO Network*, the two-day event offered aviation and MRO professionals active networking opportunities, and focused on ways to accelerate growth in the market by applying cutting-edge engineering and maintenance techniques to minimise operational costs.

The conference attracted around 100 participants from the aviation community, including regulatory officials, airlines, MROs, OEMs, aircraft lessors and other industry stakeholders. ▶



Second placing, second time around

For the second year in a row, a team of skilled technicians from TIMCO won second place in the Aerospace Maintenance Competition, held in conjunction with the Aviation Pros Live Expo in Las Vegas, Nevada, USA in March. TIMCO competed in the MRO/OEM category, joining 29 other teams from commercial airlines, MRO providers, OEMs and technical schools.

The TIMCO team exercised their knowledge and talent on 16 maintenance activities over the course of two days. These events covered a broad spectrum of routine and non-routine tasks, including composite repair, engine MRO, component wiring and advanced avionics. Teams were evaluated on the quality and timeliness of the work performed by a judging panel of industry experts. ▶





STAECO ranks amongst top 100

STAECO was recently named amongst Mainland China's top 100 "Growing Service Providers" by the China Council for International Investment Promotion (CCIIP). Established in 2008, CCIIP is a national non-profit organisation that aims to promote domestic and overseas investment in line with China's strategies to advance economic development and social progress. This annual evaluation programme serves as an important reference for overseas buyers and customers in promoting leading service providers in Mainland China.

The accolade enhances STAECO's strong reputation in the aviation industry, and lays a solid foundation for developing the company's presence in overseas markets. ▸



CSR Activities



HAECO supports “I Can Fly” programme

Some 500 members of Cathay Pacific’s “I Can Fly” programme visited HAECO’s facilities at Hong Kong International Airport on three alternate Saturdays in May. The annual CSR programme had a different spin this year, as it was organised for youngsters from less-privileged backgrounds, in support of the “Bless Hong Kong” campaign launched by the Commission on Poverty, as a major initiative in the HKSAR Government’s poverty alleviation efforts.

During the two-hour visit to HAECO, the youngsters were introduced to the company’s history and services provided, as well as career opportunities within the aviation industry. In a fun-filled educational tour, they were given a guided tour of the hangars and support shops and were able to take a close-up look at aircraft under maintenance. ▸



Volunteer Service Leave

At the beginning of 2014, HAESL introduced a new sustainable development initiative. The HAESL Volunteer Service Leave scheme aims to encourage staff members to actively engage in volunteer service by allowing them to exchange a day off (up to a maximum of two days per year) for every 10 hours of volunteer work approved or organised by the company.

HAESL organised five events associated with the scheme in the first five months of 2014, accomplishing more than 100 volunteering hours. These events covered a wide variety of activities, including clearing leaves and branches at a World Wide Fund for Nature (WWF) education centre, organising a visit to HKIA airport terminals for children from the Evangel Children's Home, and supporting a Flag Day. For staff who have difficulty finding time to take part in volunteer activities during weekends, there were opportunities to help clean and package second hand toys for the Toy Bank on weekdays after work.

To measure and further enhance the sustainability values of HAESL's social and environmental engagement, an evaluation survey is conducted after each volunteering event. ▸



Earth Hour 2014

Earth Hour has become the biggest public engagement event in Mainland China. Organised by WWF, it encourages businesses and individuals around the world to turn off non-essential lights for one hour every year, in order to help reduce greenhouse gas emissions. As a strong supporter of this meaningful event, TAECO set up a signature wall and encouraged staff members to support the event on 28 March. More than 1,000 staff members signed the wall and pledged their support to the event. Each of them received a gift – a pair of stainless steel chopsticks, reminding them to minimise disposable waste in their daily lives. ▸





Feature Story

Parts Manufacturing

2013 was a fruitful year for TAECO's Parts Manufacturing business, which achieved a record 42% growth in external revenue. On top of its strong business relationships with existing customers, including Boeing, Zodiac and Primus, TAECO established strategic partnerships with one new customer, Moog Inc. The partnership with Moog is built on a long term agreement under which TAECO is contracted to manufacture around multi-million worth of components, and this contract has done much to enhance TAECO's reputation throughout the aviation industry.





TAECO started to build up its Parts Manufacturing capabilities back in 2005. The Parts Manufacturing team provides airline customers with a range of design and programming services, including manufacturing process design, in-house tool design and Computer Numerically Controlled (CNC) programming. TAECO is also equipped to manufacture aircraft structure and parts for the Boeing 747-400BCF project, as well as wire bundle assemblies, composite part assemblies, multi-floor beam assemblies and modification kits. The company provides testing and tool calibration, as well as certification services and is accredited by Nadcap for non-destructive testing, heat treatment and chemical processing. The Parts Manufacturing facility also provides parts for cabin modification and completion projects, as well as after-sales spare parts support to Group customers.

As HAECO's flagship Parts Manufacturing facility, TAECO plays an important role in supporting the Group's comprehensive maintenance and repair capabilities, reducing parts acquisition costs and shortening delivery lead-times; it has enabled the HAECO Group to become a one-stop-shop for world-class aircraft engineering solutions.

TAECO's strengths are:

- ✓ A reliable Quality Assurance System certified to AS 9100 Rev C
- ✓ Boeing-approved quality system and special process capabilities
- ✓ Nadcap accreditation for chemical processing, heat treatment and NDT
- ✓ One-stop-shop parts manufacturing, from machining to special processes
- ✓ Efficient, on-time delivery and low non-conformance levels
- ✓ Worldwide accreditation for NDT and calibration

Jacqueline Jiang, TAECO Commercial Director, sees Parts Manufacturing as a key element in the HAECO Group's service offering, in line with the Group's vision of providing its airline customers with a comprehensive suite of MRO services that exceeds their expectations. "The prospects for Parts Manufacturing are promising and we will continue to invest in our facilities and technical capabilities to capture business opportunities in the future." ▸



Group Capabilities

Aircraft Type	EASA		FAA		HKCAD*		CAAC*	
	Airframe Maintenance	Line Maintenance	Airframe Maintenance	Line Maintenance	Airframe Maintenance	Line Maintenance	Airframe Maintenance	Line Maintenance
A300-600		✈ ✈		✈		✈ ✈		
A310		✈ ✈		✈		✈		
A318	✈	✈					✈	
A319	✈ ✈ ✈	✈ ✈	✈ ✈ ✈ ✈	✈ ✈ ✈	✈ ✈	✈ ✈	✈ ✈ ✈	✈ ✈
A320	✈ ✈ ✈	✈ ✈	✈ ✈ ✈ ✈	✈ ✈ ✈	✈ ✈ ✈	✈ ✈ ✈	✈ ✈ ✈	✈ ✈
A321	✈ ✈ ✈	✈ ✈	✈ ✈	✈	✈ ✈ ✈	✈ ✈ ✈	✈ ✈ ✈	✈ ✈
A330	✈ ✈	✈ ✈	✈	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈
A340	✈ ✈	✈ ✈			✈ ✈	✈ ✈	✈	
A380						✈		
737-200	✈	✈	✈	✈			✈	
737-300 / 400 / 500	✈ ✈	✈	✈ ✈	✈ ✈		✈	✈ ✈	✈
737NG	✈ ✈		✈ ✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈ ✈
747SP	✈	✈						
747 Classics	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈	
747-400	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈	
747-8	✈	✈ ✈	✈	✈	✈	✈		
757	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈	✈	✈	
767	✈ ✈	✈ ✈	✈ ✈	✈ ✈	✈	✈	✈	
777	✈ ✈	✈ ✈	✈	✈ ✈	✈ ✈	✈ ✈	✈	
MD11	✈	✈ ✈		✈ ✈		✈	✈	
CL-600	✈					✈	✈	✈
SAAB340B							✈	
BD-700-1A10							✈	✈
G450								✈
ERJ170						✈		
ERJ190							✈	

* Maintenance of aircraft registered in PRC, Macau SAR and Hong Kong SAR respectively is provisioned under the Joint Maintenance Management (JMM) cooperation arrangement.

Capabilities of the HAECO Group include but not limited to major aircraft types as listed above.

✈ **HAECO**
Hong Kong Aircraft
Engineering Co. Ltd.

✈ **TAECO**
Taikoo (Xiamen) Aircraft
Engineering Co. Ltd.

✈ **STAECO**
Taikoo (Shandong) Aircraft
Engineering Co. Ltd.

✈ **SMECO**
Sichuan Aircraft Maintenance
Engineering Co. Ltd.

The Group also has approvals on aircraft, engines and components maintenance from the other regulatory authorities across Asia, Africa, the Pacific, the Caribbean and Australia, which include Australia CASA, Azerbaijan SCAA, Bangladesh CAAB, Bermuda DCA, Canada TC, Fiji Islands CAAF, India DGCA, Indonesia DGCA, Israel CAAI, Japan JCAB, Jordan CARC, Kenya CAA, Korea MLTM, Macau SAR JMM, Malaysia DCA, Mauritius DCA, Nepal CAA, Pakistan CAA, Papua New Guinea CAA, Philippines CAAP, Qatar CAA, Republic of China CCAA, Singapore CAAS, South Africa SACAA, Sri Lanka CAA, Thailand DCA, United Arab Emirates GCAA, Vietnam CAAV.



Executive and Private Jet Cabin Completions

- Airbus-approved Completion Centre for Executive and Private Jets
- Boeing Business Jets VIP Completion Centre

Cabin Reconfiguration / Modification

Winglet Modification

- Boeing 737 / 757 / 767

Freighter Conversion

- Boeing 737-300 / 400
- Boeing 747-200 / 300 / 400
- Boeing 757-200

Engine Overhaul

- Rolls-Royce Engines (RB211 & Trent)
- GE90 Engines

Landing Gear Overhaul

- Boeing 737 / 747 / 757 / 767 / 777
- Airbus A320

Composite Repair / Overhaul

- Airbus A330 Trent 700 TR & NC
- Airbus A320 V2500 A5 TR, FC & NC
- Airbus A319 / A320 / A321 V2500 A5 CNA
- Airbus A318 / A319 / A320 / A321 CFM56-5B TR & NC
- Airbus A340 CFM56-5C TR
- Boeing 737NG CFM56-7 TR, FC & NC
- Boeing 777 Trent 800 TR, FC & NC
- Boeing 777 GE90 – 90 / 94 / 110 / 115 TR, FC & NC
- Boeing 777 PW4000 TR, FC & NC
- Boeing 767 / 747 CF6-80C2, TR
- Boeing 767 / 747 PW4000 TR, FC & NC

Wheels & Carbon Brakes Repair/ Overhaul

- Boeing / Airbus / CRJ / EMB / MD

Tyre Retreading Services

- Boeing 737C / 737NG / 747 / 757 / 767
- CRJ 200
- Bombardier -8 300/400
- Dornier 328
- Embraer 145

Aircraft Parts Production & Manufacturing

Approved under:

- HKAR-21 POA
- Boeing BQMS
- BVQI (AS9100-Rev C)
- Nadcap

Design & Engineering

Approved under:

- HKAR-1 E3 Design Organisation Approval
- HKAR-21 Design Organisation Approval
- SAR-21 Design Organisation Approval
- CAAC DMDOR Designated Design Modification Organisation Approval

Maintenance Training & Examination

Approved under:

- HKAR-147
- CCAR-147
- EASA Part-147
- SAR-147
- HKCAD Aircraft Maintenance Basic License Examination Site
- CAAC Aircraft Maintenance Basic License Examination Site
- EASA Aircraft Maintenance Basic License Examination Site

Aircraft Painting

Non Destructive Testing (NDT)

Hydrostatic Test Facility

Approved by:

- U.S.A. - DOT

Calibration Laboratory (CALMET)

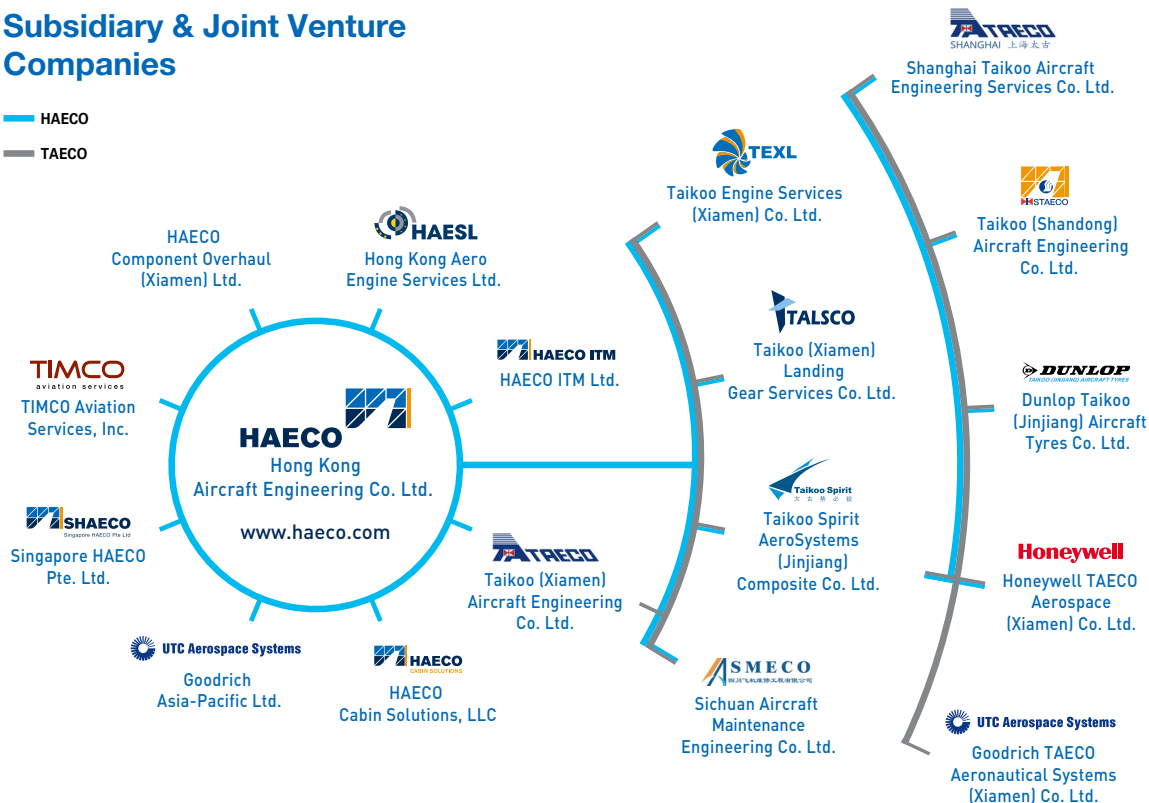
- HOKLAS accredited laboratory; Mutual Recognition Arrangement through APLAC on traceability of standards
- CNAS accredited laboratory

The above information excludes those of TIMCO.



Subsidiary & Joint Venture Companies

- HAECO
- TAECO





Contact Us & Disclaimer

Contact Us

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Hong Kong Aircraft Engineering Company Limited
80 South Perimeter Road
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Corporate Communications
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For subscriptions and comments on HAECO Group e-newsletter, please contact us at:

Email: haeco.newsletter@haeco.com

Tel: (852) 2767 6544 **Fax:** (852) 2333 4514

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