

## Fact Sheet on Aviation Development Fund

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The Aviation Development Fund (ADF) was set up by the Civil Aviation Authority of Singapore (CAAS) with a budget of S\$100 million over a 5-year period from 1 April 2010 to 31 March 2015. The ADF aims to accelerate further development and growth of the aviation industry in Singapore, and ensure its continued relevance and competitiveness globally. It supports CAAS' industry development goals through a set of incentives built around the three thrusts of *Enabling Enterprise*, *Enabling Ideas* and *Enabling People*.

The following programmes had earlier been launched under the ADF:

- Aviation Innovation Programme (AIP)
- Aviation Partnership Programme (APP)
- Aviation Manpower Programme (AMP)

## AVIATION INNOVATION PROGRAMME

The Aviation Innovation Programme (AIP) has a budget of S\$25 million for the period from 1 April 2010 to 31 March 2015.

The AIP aims to spur companies to innovate and develop new or enhanced capabilities in niches of excellence in the aviation industry. The programme is open to all Singapore-registered companies or organisations with a presence in Singapore, including Institutes of Higher Learning and research centres.

Projects should have an innovative element and add new or enhanced capabilities to the aviation sector in Singapore. Projects must also meet key performance indicators as determined by CAAS. Proposals will be evaluated in the following areas:

- Financial standing and background of the applicant
- Track record of the applicant
- Measurable outcomes
- Originality and innovativeness of the project
- Resources allocation and execution capabilities
- Scalability and benefits to the rest of the aviation industry


The AIP can provide assistance of up to 70% for qualifying expenses, capped at \$2 million per project over a period of 2 years. Qualifying expenses may include:

- Purchase/lease of equipment/materials
- Cost of intellectual property rights/purchase of software
- Salaries of staff engaged in the project
- Training

### Grants awarded under AIP

CAAS awarded the first grant under the AIP to Singapore JAMCO (SJAMCO) Pte Ltd for the setting up of a flammability test laboratory in Singapore, which will add a new capability in the Singapore aviation industry. The laboratory will be used for the testing and certification of materials used in aircraft cabin components, such as wall/light/ceiling panels, door linings, galleys, seats, etc prior to being fitted in aircraft. By being able to carry out flammability tests in Singapore, Maintenance, Repair and Overhaul (MRO) companies and airlines can enjoy savings from lower logistical costs and shorter turnaround times, as well as have greater visibility in the progress of their jobs. More importantly, the new capability will support the building of niches of excellence such as aircraft cabin component manufacturing, cabin interior design and modification as well as aircraft conversion in Singapore.

Combustor Airmotive Services Pte. Ltd. (CAS) received the second grant under the AIP to introduce a new repair capability for the combustion chamber of the



International Aero Engine V2500<sup>1</sup> engine in Singapore. With this new capability, CAS will be the first repair centre outside of the US to offer this service, which serves to extend the life cycle of the combustion chambers. This will further strengthen the competitiveness of the Singapore aerospace cluster, already acknowledged as one of the few centres offering nose-to-tail MRO services to airline customers.

The third grant was awarded to MAJ Aviation Pte. Ltd.(MAJ) to construct a two-level carousel parking system for light aircraft at the General Aviation Centre at Seletar Aerospace Park. MAJ is a Singapore Small and Medium Enterprise (SME) providing MRO services for general aviation. The two-level carousel parking system will be the first to be developed in the world. The innovative aircraft parking system will intensify land use by making it possible for more aircraft to be housed and serviced within MAJ's new hangar.

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<sup>1</sup> The IAE V2500 engine powers the Airbus A320s. More than 5,500 V2500 engines are in service (3,800) or on firm order.

## **AVIATION PARTNERSHIP PROGRAMME**

The Aviation Partnership Programme (APP) has a budget of S\$25 million for the period from 1 April 2010 to 31 March 2015.

The APP aims to drive the adoption of industry-level standards or processes that help to enhance overall productivity, effectiveness and competitiveness.

APP initiatives will be identified and developed by CAAS in partnership with the industry for adoption industry-wide to the extent possible.

The APP will provide two tiers of funding support. The first tier will be for the development of common standards, processes and platforms. The second tier will be to cover up to 70% of a company's costs to adopt the APP initiative.

### First Programme launched under APP


Under the APP, CAAS together with the Association of Aerospace Industries (AAIS), launched the Aerospace Standards (AS) Adoption Programme on 1 October 2010.

This programme aims to promote the adoption of Aerospace Standards, more commonly known as AS9100, throughout the aerospace cluster in Singapore. The AS Adoption Programme complements the existing SPRING-AAIS initiative to drive the adoption of the AS9100 by Small and Medium Enterprises (SMEs). Under the AS Adoption Programme, companies adopting the AS will receive co-funding for their total consultancy and certification costs.

AS9100 aims to bring the global aerospace community to a single Quality Management Standard (QMS) standard. Major companies rely on the AS9100 certification to ascertain the effectiveness and quality of their suppliers' processes and QMS, and hence have listed AS9100 certification as a key supplier pre-requisite. The adoption of AS9100 will bring significant benefits to aerospace companies in Singapore, as it offers a well-structured system that effectively addresses quality concerns and improves productivity, and allows the companies to penetrate new markets and engage in global collaboration. The wider adoption of AS9100 by aerospace companies in Singapore will raise the productivity and competitiveness of the Singapore aerospace cluster.

### Second Programme launched under APP

In March 2011, CAAS launched the Process Innovation Challenge to promote a culture of continuous process improvement in the aviation sector to enhance productivity. Companies are encouraged to carry out manageable "quick-win" projects, targeting either job redesign or process improvement, to raise worker productivity in the sector.



Companies which receive PIC awards are also encouraged to share their projects with the aviation industry. This will facilitate intra-industry learning and accelerate the adoption of good ideas across the aviation sector.

The PIC is structured as a competition-based incentive scheme open to all Singapore-based companies. CAAS will provide funding of \$50,000 or 50% of the total project cost, whichever is lower, to the top ten companies selected. The companies selected must commence and complete their projects within six months.

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## AVIATION MANPOWER PROGRAMME

The Aviation Manpower Programme (AMP) has a budget of \$9 million for the period from 1 December 2010 to 31 March 2015.

The AMP aims to bolster the manpower development efforts of the Singapore aviation industry. It will comprise initiatives to promote the aviation industry as a compelling career choice and attract talent to the industry, to develop and upgrade the aviation talent pool and workforce, and to retain the talent and human resource within the aviation industry, beginning with the three key sectors of aerospace, air transport and air cargo & logistics.

CAAS will work closely with the industry and training institutions to develop and implement the initiatives. These will include providing scholarships to young talent for further studies, funding skills upgrading and executive development programmes and organising student outreach activities.

### First Programme launched under AMP

CAAS launched the Aviation Learning Journeys (ALJ) in January 2011. The ALJ, for upper secondary school and junior college students, provides a platform for students to understand more about aviation – the history of aviation, key achievements of Singapore Aviation, and the various career opportunities the industry offers. It also provides an opportunity to observe first-hand the dynamic work environments in the industry. As part of the ALJ, students will be brought on site visits ranging from the Singapore Air Traffic Control Centre to aerospace engine repair workshops and aircraft hangers. To date, more than 200 students have benefitted from this programme.

### Second Programme launched under AMP

CAAS launched the CAAS Aircraft Maintenance Examination Rebate Programme in March 2011. Under the Programme, a rebate is provided to students undergoing pre-employment training in the Institutes of Higher Learning for each of the various CAAS aircraft maintenance examinations that they take and pass. Passing these examinations is a pre-requisite for an individual to be a licensed aerospace professional, and the rebate will assist and encourage students to take and pass the examinations prior to graduation. The Programme will contribute to meeting the steady demand of the aerospace industry for qualified personnel.

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## **About the Civil Aviation Authority of Singapore**

The mission of the Civil Aviation Authority of Singapore (CAAS) is to “Grow a safe, vibrant air hub and civil aviation system, making a key contribution to Singapore’s success”. CAAS’ roles are to oversee and promote safety in the aviation industry, develop the air hub and aviation industry, provide air navigation services, develop Singapore as a centre for aviation knowledge and training, and contribute to the development of international aviation.

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