

航空报国 时代先锋

——研制『飞豹』飞机英雄群体 为人民建功立业 为中华民族争气

航空工业出版社



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北京

序

中国“飞豹”飞机是在党中央、国务院、中央军委、国防科工委、中国一航的正确领导下，历经几届领导班子和广大员工不懈努力，自主创新，不断改进，研制而成的，已达到世界同类机种的先进水平，振兴了祖国的航空工业，为国家争了光，为民族争了气。

《航空报国 时代先锋》画册，是以“航空报国 追求第一”，“激情进取 志在超越”的中国一航理念，和广大科研人员研制“飞豹”飞机过程中锤炼的“飞豹精神”为切入点编成的。


我看了这部画册的初稿，内容很丰富，政治思想性强，符合宣传的正确导向。“十五”期间，西安飞机设计所（现已改名为中航第一飞机设计研究院）原所长黄强，书记沈长河这届领导班子，带领全体员工，继承发扬了革命战争年代的优良传统，把国家下达的重点工程任务视为“军令”，下决心一定要按时完成。他们每天工作10小时，节假日不休息，斗志昂扬，士气旺盛，充分体现了坚韧不拔的伟大民族精神。领导干部大力发挥思想政治工作作用，实行了“火线”入党、提干、晋升职称、分房等政策，行政后勤部门全力为科研一线服务。

他们结合科研实际，认真学习马列主义毛泽东思想、邓小平理论和“三个代表”重要思想，敢为人先，使用最先先进技术设计研制现代化飞机，提高了生产力，增强了国防实力。正确贯彻国防科研方针，实行军民结合，联合研制了民用飞机；为落实科学发展观，建成了一流的现代化科研设施，创建了良好的发展平台，为留住人才开发大西北，全面提高了员工生活水平，通过加强对广大青年工程技术人员爱岗敬业教育，使他们成为不畏艰难、特别能战斗的设计队伍。

这届领导班子，坚决贯彻中央反腐倡廉的决定，严于律己，率先垂范，在干部队伍中建立了廉政机制，并同社会上腐败势力展开了坚决斗争。

作为单位一把手的黄强同志，是航空工业界首位“中国十大杰出青年”，他以亲身经历，宣传胡锦涛总书记对广大青年“要牢固树立正确的人生观、世界观、价值观”的教导，多次到学校给同学们作报告。在社会上产生了很大的反响。

这部画册生动感人，贴近广大青年，他们一定会喜欢，并从中受到启迪，让我们携起手来，在以胡锦涛同志为总书记的党中央领导下，开拓进取，为中华民族的伟大复兴、为攀登世界科学技术高峰做出贡献！


2006.5.15

Preface

"Flying Leopard", the most advanced fighter-bomber aircraft of China today, is of a great success for China national aviation industry achieved under the brilliant leadership of the Central Committee of CPC, the State Council, the Military Commission of the Central Committee and the Commission of Science, Technology and Industry for National Defense. It has in all aspects measured up to the international advanced standards of the same type, thanks to the unremitting efforts of the previous leadership sessions and all staffs of China No.1 Aircraft Design Academy (used to be called Xi'an Aircraft Design Institute) under China No.1 Aviation Industry Group with their promising work and updating creations. This remarkable achievement has contributed to the revitalization of national aviation industry, won great honor and credit for our motherland as well as for the Chinese nation.


The picture album *Dedicating to the Motherland, Research and Pioneering the Era* is edited with the principle of "dedicating to the motherland and trying to be the first", "racing against time vigorously, aspiring to surpass others" initiated by China No.1 Aviation Industry Group. And it also presents us the "Flying Leopard Spirit" tempered in the course of research and development of "Flying Leopard" fighter-bomber.

I have read this wonderful picture album with excitement, which contains very rich contents full of strong political and ideological senses in conformity with the right orientation for propagation. During "The Tenth Five-Year's Plan", Huang Qiang, the former chief and Shen Changhe, the present Party Secretary of the leadership session of the Academy took the new high-tech engineering task to develop "Flying Leopard" fighter-bomber assigned by the Central Government as "military order" and determined to fulfill it on time. The leadership session attached great importance to the political and ideological education to the staffs and consistently propelled them to study Marxism-Leninism, Mao Zedong thought, Deng Xiaoping theory and the "Three Representatives" in their practical assignments. They always encouraged them to do best job vigorously. The leadership session faithfully implemented the national defense policies, stirring up the joint efforts of the military forces and the civilians. They educated the young generation in the engineering team of the Academy to become the new force with professional outlook and dedication spirit. The outstanding figures emerged in the implementation of tasks were admitted to be the Party members "on the front line", promoted to higher professional grades or official ranks and provided with better living conditions. All the staffs consciously inherited and upheld the fine traditions of the revolutionary forerunners. They worked with very high enthusiasm, promising spirit day and night tirelessly. The administrative and logistic sectors offered services to the forefront of scientific research activities in every aspect. All of these fully and vividly demonstrate the great national fortitude. So a technical team especially capable of overcoming difficulties and hardship was formed. In the meantime, the Academy was equipped with the first class modern research facilities serving as an excellent platform for both military and civil aircraft development. The production capabilities of the Academy were thus enhanced in full scale. After having overcome all kinds of difficulties and conquered every obstacle in employing the most advanced technologies in the design and research, "Flying Leopard" fighter-bomber resolutely came into shape, spanning the sky.

The present leadership session firmly carry out the decision made by the Central Committee of CPC as "Against corruption, for incorruption". They restrain themselves strictly with the Party's disciplines and set an example to the staffs. With the well formed incorrupt mechanism among the officials, everybody is encouraged to fight resolutely with the corrupt elements in the society.

Huang Qiang was honored one of the Ten Outstanding Youngsters of the country. He actively propagates Hu Jintao's teaching that every young man should take lofty and right outlook of life, of world and of value. He has made reports many times to the students in schools, introducing his personal experience which received very strong public repercussions.

I believe that everybody will be deeply moved by the vivid and lively photos in this album, especially the youngsters will be profoundly inspired. With the new encouragement by "Flying Leopard" fighter-bomber, let us follow utmost closely the leadership of the Central Committee of CPC with Comrade Hu Jintao as the General Secretary and forge ahead hand-in-hand to make still greater contributions to the national revival and scale new heights of the world science and technology.



2006. 5. 15

前言

“飞豹”飞机是中国航空工业自行研制，具有自主知识产权的歼击轰炸机，是在党中央、国务院、中央军委和各级组织的正确领导下，军方以及各有关工业部门、单位大力协同，通力合作，航空工业广大干部、职工、工程技术人员几代人不懈努力，顽强拼搏的成果，最令人振奋的是，8架“飞豹”飞机参加了上海合作组织（上合组织）“和平使命2007”反恐联合军演，跨越国境长距飞行，圆满完成了演习任务，为祖国争了光，为中华民族争了气。

研制“飞豹”飞机是一项巨大的系统工程，《航空报国 时代先锋》画册编采人员花费了5年时间，用摄影镜头跟踪拍摄，真实纪录了飞机从立项、数字化设计、制造金属样机、试制生产、试飞、装备部队使用、听取反馈意见、设计定型、总结经验、表彰有功人员、飞出国门参加和平使命军事演习等，画册再现了这一研制过程。

画册记录了中国第一飞机设计研究院（原西安飞机设计研究所）原所长黄强，书记沈长河这届领导班子，明确奋斗目标：一、完成国家型号工程任务；二、强所富民；三、军品民品协调发展，建设现代化科研设施，建成秀美居民小区，完成军民品科研生产任务的情况。

这届领导班子行之有效的的工作方法是：一、党政一把手要正气浩然，精诚团结；二、充分发挥副职作用，有职有权；三、敢于采用现代化高科技手段并充分发扬光荣革命传统；四、工作千头万绪，善抓主要矛盾；五、在工程任务关键时刻选拔干部，立功授奖；六、成绩面前防骄破满，牢记“两个务必”；七、从政治上关心青年，培养接班人；八、尊重历史，充分肯定历届领导班子的成绩；九、正确处理与省、市领导与协作单位的关系；十、倡导良好道德和先进文化风尚，他们的这种工作方法，能给读者以启迪。

画册精选1000多幅照片，详尽展示了研制“飞豹”飞机所创造的非凡业绩，及在此过程中造就的一支可信赖的英雄群体。英雄群体也培育了英雄楷模，群体的带头人勇往直前，与祖国共奋进，与时代同发展。英雄群体建设了美好的今天，又为未来发展奠定了基础，通过科研生产实践，精心培育广大青年工作者爱岗敬业，当好接班人，学习楷模的高贵品德，树立正确的人生观、世界观、价值观，茁壮成长，为祖国多做贡献。

编绘这部画册的目的是为了宣传研制“飞豹”飞机中涌现的先进事迹，弘扬不屈不挠、坚韧不拔的意志和航空报国精神，并使这种革命精神代代相传。

我们身为退休人员，志愿者服务，编绘这部画册历经了许多难以想象的困难，共产党员的光荣称号激励我们战胜重重困难，使这本画册得以面世。

在这里，我们要衷心地感谢林左鸣总经理、顾惠忠副总经理的关怀和爱护；感谢中国航空工业老领导，航空工业离休干部局，中国一航产品部、科技局、财务部、科技委、保密委员会，航空工业出版社，航空档案馆，一航一飞院，中航二集团石家庄飞机制造厂，“飞豹”飞机各研制单位，海军某师，空军某师，中国青年联合会，《中国青年》杂志社，浙江省东阳市第二中学等单位，以及本画册编委会们的大力支持和帮助。

我们相信，这部画册将会激励人们在以胡锦涛同志为总书记的党中央领导下，继续发扬图强，开拓创新，顽强拼搏，为攀登科学技术高峰，振兴祖国的航空工业，为实现中华民族的伟大复兴做出新的贡献！

Introduction

"Flying Leopard" is a fighter-bomber which the aviation industries of China have developed of their own and of which they are in possession of the intellectual property. It is an achievement obtained by the managers, staff and engineers of the aviation industry through their painstaking efforts over generations under the judicious guidelines defined by the Central Committee of CPC, the State Council, the Central Military Commission and the directions at various levels with the strong support from a close coordination between the military sectors and different industrial branches and units. It is exciting to see eight "Flying Leopard" aircraft join the anti-terrorist combined maneuver—"Peace Mission 2007" which is sponsored by the Shanghai International Organization for Cooperation. These aircraft have flown over long distances across the border and successfully completed the assigned mission to the credit of the great motherland and of the Chinese nation.

The development of "Flying Leopard" is a tremendous systematic project with the huge amounts of scientific research work being underway. The reporters and editors of the picture album *Tribute to the country while working in aviation industry-Vanguards of the times* have truthfully recorded the events from the launching of the programme up to the participation in the peace mission military maneuver abroad, ranging from digitalized designing, through manufacturing of the metal prototype, trialing production, testing flight, delivering to the air force users, collection of feedback to the final certification with summarizing of experience and commending of meritorious people. The picture album is a representation of the whole process of this development.

The picture album has recorded what the leadership team headed by the Director Huang Qiang and the Party Secretary Shen Changhe of China No.1 Aircraft Design Academy (formerly Xi'an Aircraft Design Institute) have done in fulfilling various tasks of research and production of the military and commercial products, a team who set for itself an objective of accomplishing State engineering programmes of upgrading the organization and the staff and of coordinating development of military and commercial products with a view of creating a state of the art research institution in a peaceful environmental setting.

The positive work carried out by this team may be attributed to the following approaches:

1. Integrity of the Director and the Party Secretary on a unanimous approach;
2. Delegation to deputies who are in full power to handle;
3. Application to high-tech facilities while inheriting glorious revolutionary traditions;
4. Priority of finding out solutions to main issues instead of getting embroiled in routine activities;
5. Assigning right managers to key positions of the programme and awarding prizes;
6. Preventing conceit and self-complacency in the face of achievements and being modest, prudent and get rid of presumption;
7. Showing political solicitude to young people and cultivating the successors;
8. Positively assessment the achievements of the precedent leaderships from a historical point of view;
9. Handling correctly the relations with the authorities of the province and the municipality as well as the partners;
10. Promotion good ethic and culture.

It is expected that such approaches may inspire the readers further imagination and find out more things worth learning.

The somewhat 1000 selected photos exhibit the extraordinary performance which was realized in the development of "Flying Leopard" aircraft by a trustworthy team who, in turn, is represented by a number of outstanding heroes. These men have proved to be courageous in forging ahead and in their progress with the motherland and the times. They have built up today's magnificence and prepared for the future development. Through the practice of research and production they have educated the younger generation successors a spirit of love for their jobs and readiness to learn from the examples, to develop a wise outlook towards the life, the world and the value for making contribution to the country.

The purpose of this picture album is to relate the fact of the development of "Flying Leopard" aircraft of which we are in possession of the intellectual property, thus to highlight the concept of scientific development for the construction of a harmonious society and to promote the unyielding and strenuous efforts to be exerted by the people of the aviation industry in serving the country. Such a dauntless revolutionary spirit shall be passed down from generation to generation. It was a real challenge for us as the retired and volunteers to compile this book. However the glorious title of members of the Communist Party has encouraged us. And we have finally succeeded in producing it after overcoming tremendous difficulties.

Here we would like to express our sincere thanks to the President Lin Zuoming and the Vice-President Gu Huizhong for their solicitude and care. Thanks also go to the former leaders of the aviation industry of China, to the office for retired cadres of the aviation industry, to AVIC 1 and its departments of products, scientific research, finances, scientific commission and security commission, to Aviation Industry Press and Achieve House, to the First Aircraft Development and Research Academy, to units of Marine and Air Force, to China Youth Union, to China Youth Magazine and to the High School No.2 of Dongyang, Zhejiang Province as well as to the staff of this editing commission for their valuable help and support.

We are confident that this picture album will be encouraging people to carry on, under the leadership of the Party Central Committee headed by the Secretary General, Hu Jintao, their efforts to innovate and surmount obstacles in research and development and in working hard towards the strengthening of the aviation industry of China and the prosperity of the whole nation.

贺“飞豹”定型

杨育中

八年企盼一朝定，波澜起伏心难宁。
立项紧迫经费少，明知有虎偏要行。
鏖战三载无休日，连闯五关有水平。
设计实现数字化，系统换代有神鹰。
制造难题均破解，按期首飞过得硬。
多项试验齐展开，科学组织化险情。
项目进展虽顺利，需求多变难定型。
研制大军无怨言，埋头苦干是精英。
如今飞豹已冲天，对海对地似神兵。
航空报国多壮志，为我中华万年青。

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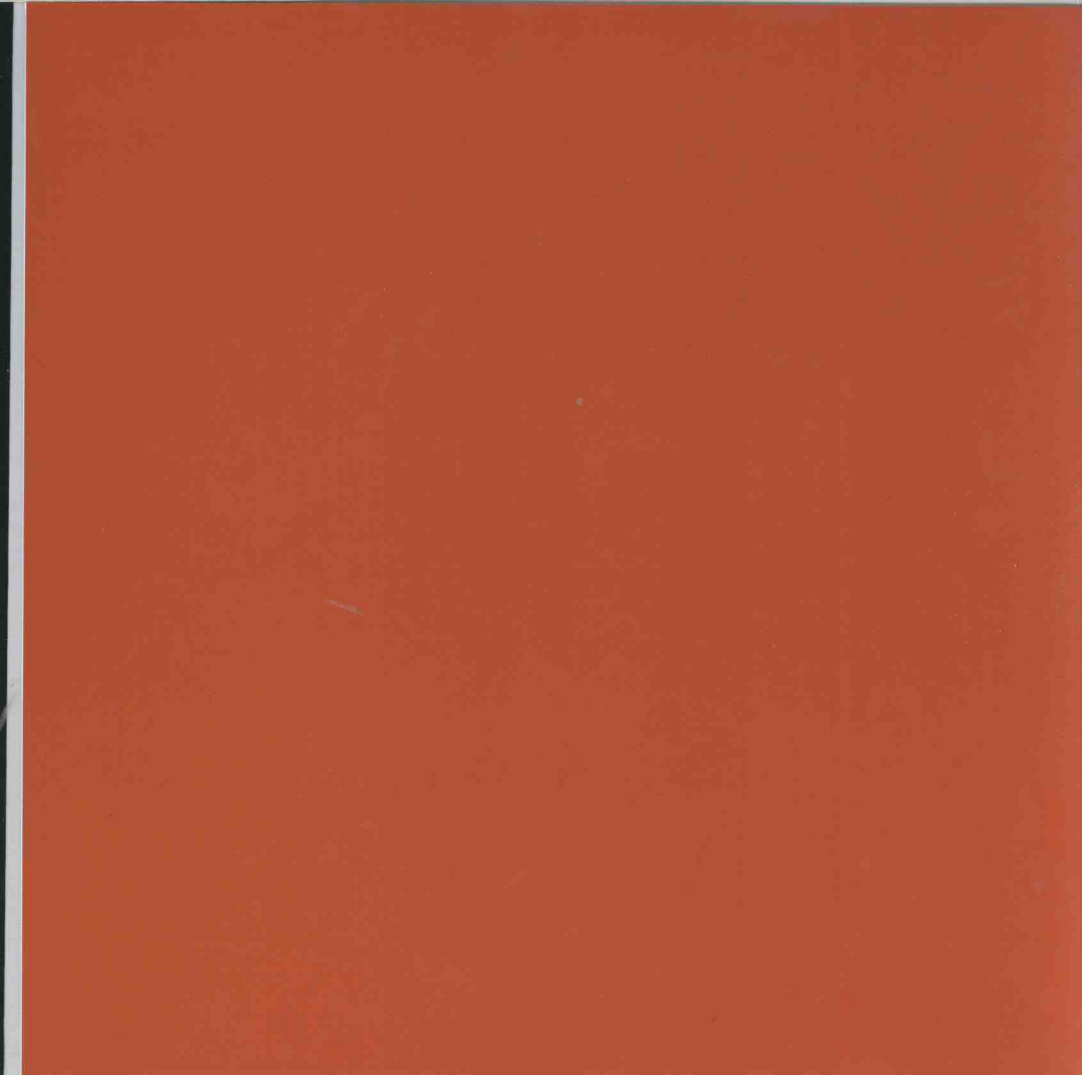
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“飞豹”飞机在军博展出后，又飞出国门，参加了上合组织“和平使命2007”联合反恐军演，振兴中华，可喜可贺。		

序 幕

凯歌高奏庆伟业 谱写历史新篇章

中国航空工业第一集团公司（下称中国一航）第一飞机设计研究院（下称一飞院），在党中央、国务院、中央军委、国防科工委的关怀和领导下，自主创新，成功研制了中国现代“飞豹”飞机，为保卫祖国安全、构建和谐世界做出了贡献。





十月的天安门广场。蓝天白云、和谐盛世。花如海，人如潮，庆祝中华人民共和国50华诞。

在盛大的阅兵式上，人民空军仪仗队以高超的技艺，整齐的编队飞越天安门上空，接受党和人民的检阅。





空中加油机群飞过之后，我国自行设计研制的“飞豹”飞机，以“六机人字形”编队飞越天安门上空，扬国威，振军威。





陕西省游行彩车上“飞豹”飞机和运载火箭模型成为游行队伍中最大的看点。