

Aerospace Maintenance and Regeneration Center



AMARC
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Facilities Vision 2015

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Our mission involves the storage of thousands of aircraft on open desert around the Center. Accordingly, appropriately sized footprints for facilities are planned to prevent encroachment on aircraft storage space, a valuable commodity. AMARC, through Vision 2015, has taken every opportunity to minimize the facility footprint while increasing efficiency, personnel safety, and quality of life.

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AMARC Vision 2015

AMARC Vision 2015 was developed to identify key challenges that need to be overcome in order to improve/right size facilities and other infrastructure to support new and existing workloads.

The implementation of this vision will ensure AMARC is a premier aerospace support Center, with facilities that support the Air Force vision of excellence.

An ongoing process has been implemented to establish collaborative projects with Davis-Monthan Air Force Base (our host base), influence government funding, and help AMARC move from Vision to Reality.

Vision Focus

The focus of Vision 2015 is to expand funding for Military Construction and Capital Purchase Program projects at AMARC.

A variety of strategies were utilized to stratify future facility and infrastructure improvement opportunities. The primary factors driving our focus are:

- Meeting current and future workload requirements
- Streamlining functional areas
- Increasing aircraft storage
- Minimizing facility footprints

Vision 2015 focuses on facility needs in five areas:

- Aircraft Operations
- Maintenance Support
- Industrial Activities
- Administrative Support
- Aircraft Storage



Vision to Reality

Vision 2015 was developed by Corporate Board members in partnership with facility managers, URS Corporation, and the Air Force Center for Environmental Excellence.

Desert Oasis—Facility



PROPOSED DESERT OASIS * BREAK ROOM FACILITY
EAST ELEVATION SCALE 1/4" = 1'-0" MAY 04

Located two miles from the main industrial complex and without benefit of fixed facilities, aircraft reclamation and tooling preservation activities save the Department of Defense millions of dollars annually in storage and physical security costs.

These activities require our work force to work in extreme temperatures and weather conditions in the desert. This project will provide our work force a natural boost of energy through much needed shelter, restrooms, potable water, office, and break room areas. In addition to the dramatic quality of life benefits, the Desert Oasis will improve process efficiency by eliminating unnecessary travel time to and from the Center's industrial hub during personnel rest periods.

Aircraft Maintenance Hangar



Aircraft hangar space is at the core of our aerospace system support activities. The new aircraft hangar will provide maintenance dock space for medium-size aircraft while co-locating essential administrative and support activities. This project represents a significant increase in physical capacity, eliminating an existing 20 percent square footage deficit. The hangar will provide a one-stop-shop for the removal of major aircraft components and aircraft regeneration—refining workflow, reducing flow days and improving logistics response time. The new facility will be equipped with state-of-the-art fire protection, HVAC, and industrial support systems.

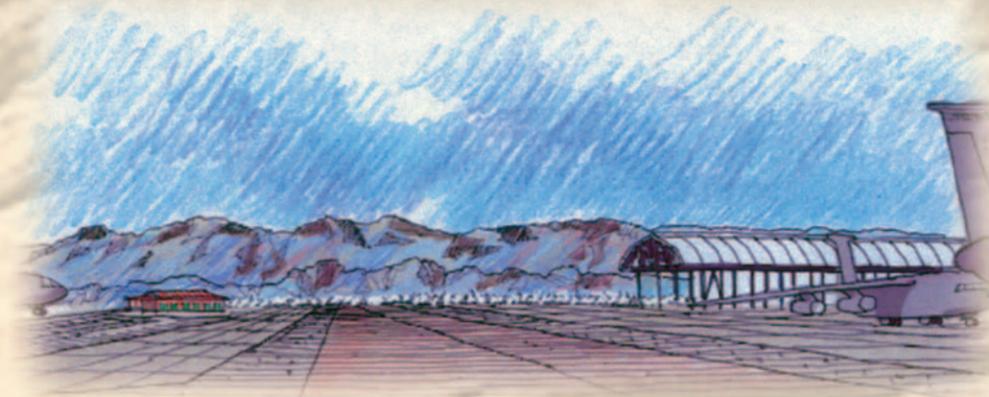
Hangar Extension to Facility 7506



The proposed extension to this aircraft maintenance hangar facility accommodates existing and projected workloads. Originally designed to support maintenance operations on 1950's vintage aircraft, this facility today falls short of current requirements and poses many challenges to efficient and effective maintenance. The hangar extension will optimize our maintenance function and the work that will be undertaken on the aircraft. The extension also represents a 25 percent increase in hangar bay area. While this increase may seem relatively modest, a 25 percent increase will allow a greater mix of airframe sizes to be serviced and significantly expand the types of maintenance that can be

undertaken in the facility. Waiting for work assignments, gathering tools, completing documentation and waiting for sign-off all contribute to inefficiency in the existing structure. To correct these deficiencies, this hangar extension project includes features that will streamline the marshaling of tools, consumables and parts throughout the exact areas where they are needed, slashing minutes from tasks, and hours or days from overall maintenance actions. This project also enhances our production capability by co-locating much needed space for related support activities that are currently decentralized throughout the Center.

Taxiway



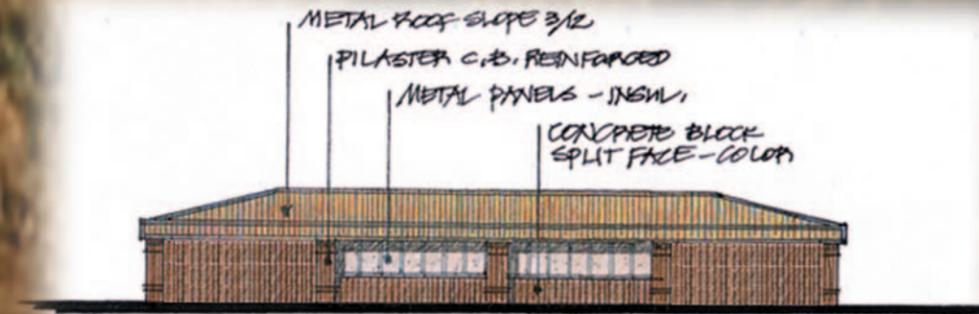
Annually, hundreds of aircraft arrive to be processed into short-and long-term storage. Recent additions to AMARC's inventory include oversize aircraft such as the C-5, which under current constraints, are towed to preservation facilities due to insufficient taxi width. This project expands existing taxiways and aprons, eliminating safety concerns and ensuring compliance with Air Force airfield construction standards. Under this design, aircraft parking and maintenance areas will be seamlessly integrated with hangars, docks, and runway pads reducing towing costs, relieving taxiway congestion, and minimizing interruptions caused by effects of inclement weather on unpaved taxiway surfaces.

Aerospace Ground Equipment Facility



This project replaces notably unfit, metal structures that have long ago exceeded life expectancy and clears the way for demolition of twelve separate facilities, consolidating all Aerospace Ground Equipment (AGE) support operations into a single complex. By centralizing AGE support operations into one state-of-the-art facility, we will greatly improve working conditions and the use of personnel and equipment required to inspect, maintain, repair, and service powered and non-powered AGE. This facility will be designed to reduce hazards to equipment and personnel by providing a noncombustible structure to work on powered equipment. In addition to air-conditioned maintenance bays, this facility will provide proportionate administrative space and the flexibility of canopied bays.

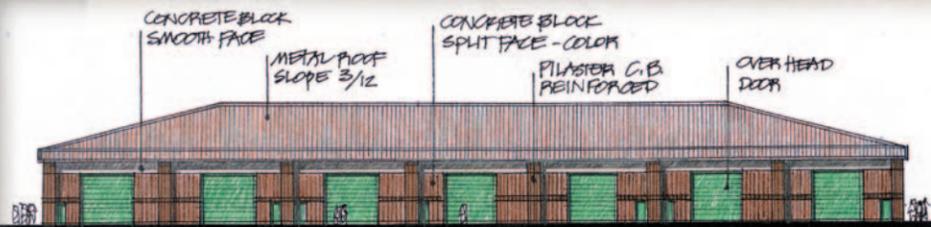
Fuel System Preservation Complex



Before aerospace systems can be placed into long-term storage, they are first processed through the fuel systems preservation area where 10-weight oil is introduced to the system under full engine power. By expanding and renovating the existing fuel systems facility, all fuel preservation-related activities can be centralized in a common location. Bringing these activities together will eliminate improvised facilities, reduce space needs and provide for sharing of

common services. Rooted in a right-sizing study, the design of this project also allows the collocation of process-related personnel and material storage areas, and will decrease equipment requirements. This streamlining of our valuable preservation resources will also allow us to become more agile, implement solutions faster, deploy services more easily and complete jobs in a more cost-effective manner, thus maximizing efficiency throughout every process.

Packing & Crating Facility



AMARC reclaims hundreds of thousands of aerospace system components annually in support of U.S. and allied Forces worldwide. The packaging and crating processes are vital to the timely shipment of aircraft fuselages, parts, and assemblies. The consolidated Packing and Crating Facility will be a one-stop source for all Center packaging and crating needs. Centrally located in the heart of the industrial hub, this facility will be designed to provide complete product protection from the floor of our manufacturing line to the final inspection area. This facility will allow us to provide clean, protected, and

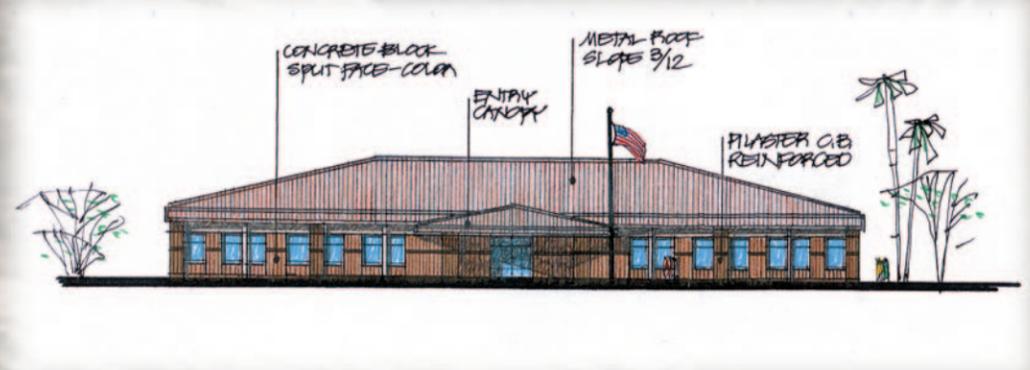
secure packaging for safe product transportation. The facility will also allow the safe use of forklifts, overhead cranes, basic rigging, and an assortment of saws and drills. Basic equipment will include a fully engineered mobile packaging and material handling system. Its design supports our dynamic mission providing the opportunity to drastically reduce warfighter wait times while increasing parts reclamation throughput. This functional consolidation of today's dispersed packaging and crating activities will also allow for demolition of eight temporary facilities.

Consolidated Maintenance Support Shops



The range and diversity of aerospace maintenance activities performed by AMARC's highly specialized work force is unprecedented. This ambitious project is aimed at fully leveraging that work force—exploiting time and space considerations to maximize maintenance capacity. Consolidating a variety of industrial shops such as avionics, egress, pneudraulics, and propulsion, the design also considers the need to adequately house tool cribs, bench stock, lockers, administrative activities, and secure storage for supplies and repairable parts. Replacing six facilities originally constructed to serve as warehouse space, this initiative will remove operational constraints and eliminate unacceptable energy and facility maintenance costs.

Consolidated Mission Support Center



This modern administrative facility is designed to house multiple administrative functions, replacing seven structures that have been in use for more than 40 years. The consolidation of functional support areas will enhance communication and provide leadership focus on activities that today are dispersed across the installation, while reducing annual maintenance costs and improving quality of life. The Mission Support Center will include state-of-the-art technology training rooms, advanced conferencing capabilities, and administrative offices to serve AMARC today and well into the future.

Health & Wellness Center



Today's Health and Wellness Center simply does not provide all AMARC employees the opportunity to realize the benefits of a sound fitness program. This center will allow our work force to achieve a balance of mind, body and spirit if they are to have lifelong health and wellness. The new full-service fitness facility will include state-of-the-art exercise equipment, a strength training room, an expanded aerobics room with impact matting, high capacity air conditioning

systems, men's and women's showers, and lockers for short-term use. Most people will be able to walk to the health and wellness facility since it is conveniently located in the center of AMARC's industrial hub. Recognizing the importance of our work force, this project is designed to support Air Force and Air Force Materiel Command objectives to promote and sustain a culture that positively impacts overall health and is aimed at reducing injuries.



AMARC 2015

AMARC 2015 will be an industrial Center with improved process capability and flow. Its properly sized facilities will provide ample storage space and surge capability to meet the demands of our nation's uncertain, but challenging future. If supported, Vision 2015 will not only posture our Center's facilities and operational capabilities to uphold the warfighter's requirements, but substantially reduce our infrastructure footprint.

By making the right resource investments, our strategic vision of becoming more agile and efficient in the areas of Aircraft Operations, Maintenance Support, Industrial Activities, Administrative Support, and Aircraft Storage will become Reality.

Capital Improvement Plan

The Capital Improvement Plan for AMARC outlines cost estimates of the aforementioned projects.

FY	Project	Cost (in millions)
2006	Aircraft Maintenance Hangar	\$17.00
2009	Consolidated Packing & Crating Center	\$6.60
2009	Mission Support Center	\$7.20
2008	Consolidated Maintenance Support Shop	\$10.00
2008	Hangar Extension, Facility 7506	\$3.80
2010	Aerospace Ground Equipment Facility	\$6.20
2007	Fuel System Preservation Complex	\$0.50
2006	Health & Wellness Center	\$0.50
2006	Desert Oasis-Facility	\$0.75
2012	AMARC Taxiway	\$15.00
TOTAL		\$67.55

■ Projects in Fiscal Year Defense Plan ■ Proposed Projects

This infrastructure improvement plan will be accomplished through a variety of programs and funding avenues to include the Military Construction and Capital Purchase Programs

This landmark document establishes a long-term path for the future of AMARC and outlines specific projects and improvements that support Air Force and Air Force Materiel Command (AFMC) goals and overall objectives to effectively utilize this critical national resource.