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The Middle College High School at Los Angeles Southwest College is a joint-use facility with the LACCD and the LAUSD. The new facility maximizes the use of shared resources.

 100% post-consumer, recycled fiber

Joint Use Partnerships: High Schools on College Campuses

Innovative community partnerships maximize the value and around-the-clock utility of learning institutions—especially when well-planned flexible buildings are designed to adapt to diverse needs.

A trend that has been building momentum in recent years is a joint-use partnership model where high schools are developed on community college campuses. In addition to maximizing space, resources, and facilities, younger students are given an early introduction to their post-secondary education possibilities.

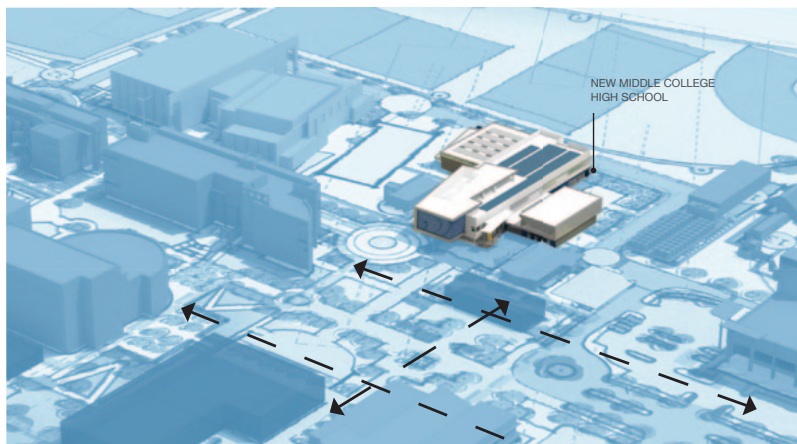
Designing a high school on a college campus offers a unique challenge. The process of working with two clients versus one adds a layer of complexity, and often the synergy between two very different organizations that share a common goal can lead to innovative design solutions. What makes these projects

distinct is the connection between the high school's facilities and the larger college campus, which are both physical and programmatic.

For more than 20 years, Middle College High School operated in portable

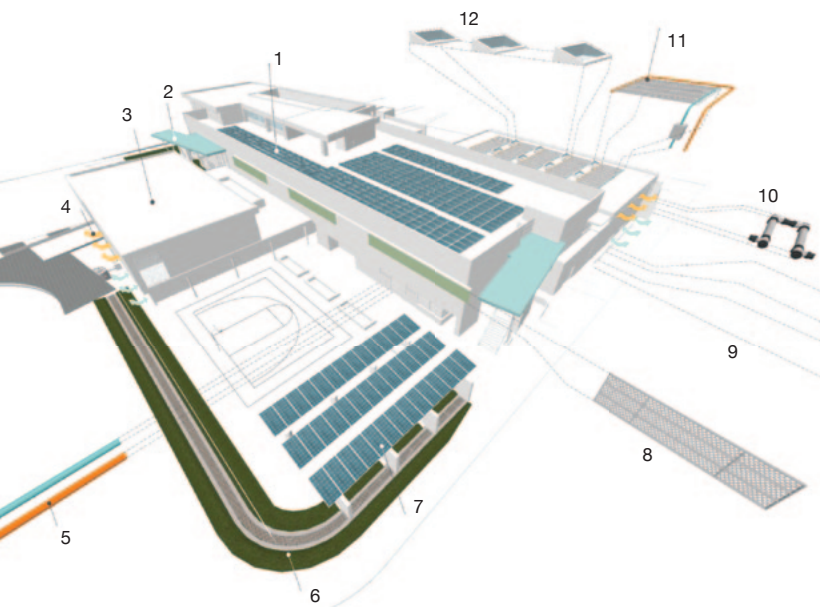
classrooms on the campus of Los Angeles Southwest College. Despite its subpar learning environments, the high school continued to produce some of the highest-achieving students in California. Today, as a result of

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Joint Use Partnerships: High Schools on College Campuses

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LEGEND

- | | |
|----------------------------|-------------------------|
| 1 Photovoltaic Panels | 7 Photovoltaic Panels |
| 2 Overhang Shading Device | 8 Screen Panels |
| 3 Cool Roof | 9 Bike Racks |
| 4 Displacement Ventilation | 10 UV Filters |
| 5 Tie-In To Central Plant | 11 Solar Thermal Panels |
| 6 Vegetated Bioswales | 12 Skylights |

the collaboration between the Los Angeles Community College District, the Los Angeles Unified School District, and Los Angeles Southwest College, education leaders have a new facility under construction. The main goals of the project are to expand the educational opportunities for the local community and provide a direct link to higher education for secondary students, many of whom are from low-income families.

The new high school will share athletic fields and other campus facilities at the college, which will in

turn have access to the high school facilities for after-hours and weekend functions. The design creates a building that belongs to the L.A. Southwest College campus while creating a distinct facility for high school students.

Joint-use partnerships promote healthy growth for school districts, colleges, universities, neighborhoods, and communities. There are numerous benefits to students including expanded learning facilities and resources—and in the case of L.A. Southwest Middle College—a leg up on succeeding after high school.

Services

- Educational Master Planning
- Facilities Master Planning
- Campus Standards and Design Guidelines
- Capital Outlay Planning
- Five Year Construction Plans
- Initial Project Proposals (IPPs) and Final Project Proposals (FPPs)
- Space Inventory Updates
- Community Outreach
- Citizen's Bond Oversight Committee Coordination
- Local Bond Feasibility, Assessment and Planning
- Sustainable Design Assessment and Planning
- Schematic Design
- Design Development
- Construction Documents
- Bidding
- Value Engineering
- Cost Estimating
- Construction Administration
- Post-Construction Warranty Support
- Sustainable Design Practices
- Interior Design
- Furniture, Furnishings, and Equipment Selection
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Join the Conversation

A nod to our 70-year history of partnering with clients to create design that's changed the world, HMC Architects has taken the conversation online. This summer we were proud to launch the firm's official blog, an online forum for firm news, ideas, and client feedback. Join the conversation online at blog.hmcarchitects.com/category/higher-education.



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Harnessing the Power of FUSION

We had the opportunity to interview Eric Mittlestead, FUSION trainer, Capital Outlay Planning Specialist, and Dean of Facilities and Facilities Planning at College of the Sequoias.

How would you describe FUSION to someone who is new to the CC arena or not familiar with it?

FUSION (Facilities Utilization, Space Inventory Options Net) is a database of more than 69-million square feet of California community college facilities. It standardizes and streamlines the management of these facilities by providing clear, comprehensive information that can be used to justify requests for funding and build a foundation for capital renewal programs.

Using FUSION data, colleges can complete required annual updates, track facility conditions and enrollment forecasts, develop and approve capital construction plans, and track the progress of funded projects. More than 850 users are registered system wide.

According to Eric, “In addition to staff in the facilities departments, college CEOs and CBOs should have a working knowledge of FUSION, especially of the planning module.”

There are five modules in FUSION.

- 1) *Assessment* is for viewing facility deficiencies and other facility data.
- 2) *Space Inventory* is for adjusting space inventory data.
- 3) *Planning* is for creating and editing five year plans and forecasts.
- 4) *Project* is for accessing data for each on-going project.
- 5) *Emanuel* is a procedural manual and help system for this application.

Who should be using FUSION? And what modules are most important to understand?

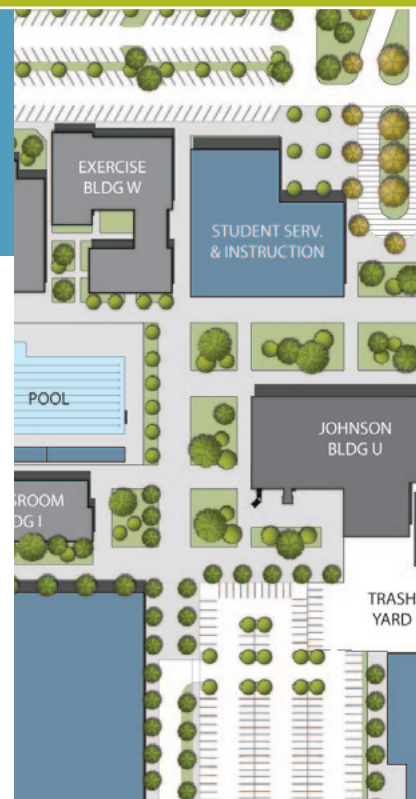
According to Eric, “In addition to staff in the facilities departments, college CEOs and CBOs should have a working knowledge of FUSION, especially of the planning module.” The FUSION planning model, accessible from the FUSION home page, includes all of a college’s current

and projected facilities projects as part of the entire capital outlay program. “Overall, the planning module provides a snapshot of the status or position of all projects in the district,” Eric adds.

“The space inventory module is another valuable section of FUSION that can give users detailed information about their campuses, their facilities and the space. For example, how big is a particular classroom? How many stations does a building have? How many square feet of office space are we using,” he adds.

Eric also believes CIOs could benefit from understanding the inner-workings of FUSION. “Enrollments and enrollment forecasts are updated annually in FUSION and CIOs can track these numbers to ensure they are consistent with the actuals; this will aid in the coordination of planning efforts, particularly in the area of educational and facilities master planning,” he says.

Outside of district staff, Eric understands that key consultants, such as planners, architects, and program managers are often the biggest users of FUSION. “Hiring a consultant who understands FUSION well can really help a district with limited staff.”



What's new in FUSION?

Some new additions to FUSION are electronic claims and quarterly reports. Beginning in 2007, electronic claims were made available for projects submitted for any phase of funding allocation post 2007. The electronic claims allow for approvals to be granted for projects to move forward using an electronic signature, saving time and paperwork for districts around the state.

Quarterly reports with the Chancellor’s Office are nothing new to California community colleges. However, as of September 2010,



FUSION makes it easy for district personnel and/or CCCCCO personnel to:

- Enter data once and control changes to that data.
- Manipulate how the data is viewed for greater insight and effectiveness.
- Generate mandated reports from data that exists within the system.
- Define criteria and address issues at the district, campus, or individual building level.
- Package deficiencies or issues into projects to support facility renovation.
- Prepare IPPs, FPPs, and Five-Year Construction Plans online.
- Develop procurement strategies and bulk purchase plans.
- Conduct scenario planning, thereby making planning more effective and robust.
- Update, certify, and track space inventory status, project status and forecasts online.
- Streamline project management, tracking and reporting functions.
- Track, view, interpret, and understand the overall performance of projects.
- Orient new employees within facilities management more effectively.

Source: Foundation for California Community Colleges

they are required to be submitted using the FUSION Project Module, which is organized by district/campus and project name.

According to Eric, the benefit of online quarterly reports is that the FUSION system auto-populates as much data required in the quarterly report as possible by pulling from other modules within FUSION.

Since its inception, billions of dollars in capital outlay and scheduled maintenance projects have been efficiently managed in the FUSION database. Knowing how to harness the power of the database is an invaluable tool for community college leaders at all levels.



Society of College and University Planning

HMC Architects is a proud member of SCUP, an organization committed to providing support to all functional areas of planning—from academics to facilities and from administrative and financial operations to student life.

SCUP's unique strength is that it facilitates opportunities for its members to share best practices in integrated planning on campuses.

Deborah Shepley, HMC's community college practice leader, serves as the Membership Chair on the Pacific Region Council and encourages community colleges to join and take advantage of planning resources, learning opportunities, and networking opportunities.

For more information on joining SCUP, visit their website at www.scup.org.

ACCCA Corporate Sponsor of the Year

Early this year, HMC Architects was named ACCCA's 2010 Corporate Partner of the Year. Past ACCCA President Marcy Wade commended HMC's willingness to contribute not just financially to ACCCA's programs for members, but for their energy and ideas as well. HMC Architects has assisted the Board with several programs and projects, including the establishment of a scholarship fund for the mentor program.

HMC Welcomes



Pablo La Roche Ph.D., LEED AP
Director of Sustainable Design

Pablo joins HMC as director of sustainable design to lead the firm's delivery of high performance architecture. He is also an associate professor in the Department of Architecture at California State Polytechnic University, Pomona and adjunct professor of the Lyle Center for Regenerative Studies. His next book, *Carbon Neutral Architectural Design*, will be available April 2011.

Eric Carbonnier AIA, LEED AP
Environmental Analyst IV

Eric joins HMC as an environmental analyst IV to support the firm's high performance architecture team. As a recent graduate of the Lyle Center for Regenerative Studies at California State Polytechnic University, Pomona, he is also a research assistant and supports on-going research and development in sustainable building practices.

Ric Mangum AIA
Regional Managing Principal, Northern California

Ric joins HMC as regional managing principal for our three Northern California studios: San Jose, Sacramento, and Fresno. Ric brings 38 years of experience to HMC with extensive knowledge and experience working within the California community college arena.



High Performance Architecture

HMC no longer conducts business as usual when it comes to sustainable design.

In fact, we separate ourselves from the measures of success associated with the clichés of green-labeled architecture and design to focus on delivering high performance architecture—that is, architecture evolved to create a positive impact on the physical environment,

while promoting human health and quality of life.

This fall HMC launched a firm-wide initiative to bring forward

leadership in environmentally neutral design solutions for the delivery of high-performance architecture. High performance architecture equates the balance between project budget, energy conservation, functionality, relevance to site, and the well-being

of its occupants. To ensure that we achieve these goals with every project we undertake, we measure project performance during the design process with in-house high-performance metrics in the areas of building operation, construction, and waste and water consumption. Our commitment does not end with the submission of the project or the construction of the building. Projects are designed so that performance is maintained during the life of the building, as evaluated through post-occupancy evaluations.

Learn more about how HMC is changing the world through high performance architecture at <http://blog.hmcarchitects.com/category/high-performance>



Engaging the Community

Strategic communication provides tremendous opportunities



The role of community engagement in the planning, design, and construction of community college campuses provides an opportunity to strengthen relationships between the community college and the communities served. The bond between the college and its communities can greatly impact the image of the institution, student enrollment, the passage of local bonds, and the success of individual projects on a college campus.



A strong community engagement program provides the opportunity for maximum public participation, genuine input and buy-in. Good communication leads to “community”—a mutually beneficial understanding, shared value, and a strengthened relationship.

However, communication doesn't just happen. Much like the concentric circles created when a drop of rain breaks the surface water, good communication with your community emanates from a strong internal core of the college campus community. Over time, effective community outreach of your college's mission, vision, and goals will move outward through public and stakeholder involvement.

Research consistently demonstrates that individuals who have personal experience with or know a community college personally show a significant increase in the positive perception and support for the college/district. For example, at one community college, an external poll of the surrounding community indicated that “the single largest issue is the significant portion of the population who have

no familiarity with the college and its campuses.” Those with no familiarity with or connection to a campus are generally more negative about and less supportive of the college. On the contrary, the college's brand was strongest among those who had some knowledge or connection to the college.

Community engagement strategies offer the opportunity to strengthen connections and can allow colleges to position themselves positively to the surrounding community while delivering a message that is a critical part of their identity.

Including strategic community engagement activities in your planning processes offers a number of benefits including:

- Raising awareness
- Creating opportunities for meaningful dialogue
- Aligning college communications
- Providing broader buy-in
- Building support for a shared vision
- Creating concentric circles of enthusiasts

A strong communication plan is also the first step to the successful passage of a local bond measure. Early messages can provide the foundation for future dialogues.

- Education drives the plan
- The plan is clear and understood
- Necessary resources must be committed

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