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Arup collaborates on seven university science buildings

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Arup has been involved with seven university science centers throughout Mass., Conn., and N.J. The firm is performing multidisciplinary engineering and consulting services and implementing smart-building techniques to achieve client goals of energy efficiency, sustainability, environmental protection, and end-user comfort.

The projects include:

- * The nine-story, 145,000 s/f Boston University Center for Integrated Life Science & Engineering, designed by Payette, will provide flexible research facilities for the science faculty. The visionary research center, housed within a modern and sustainability facility, is expected to open in 2017.
- * Arup produced energy models for the newly completed 69,000s/f UMass Lowell Health and Social Sciences Building, and determined a 30% reduction in water use and 36% energy reduction were possible.
- * The high performance curtainwall at the 220,000 s/f Northeastern University Integrated Science and Engineering Complex balances openness with insulating spandrels, and will be wrapped with an outer skin of fixed solar shading to achieve the enhanced thermal performance requirements of the skin. Designed by Payette, the project is targeting LEED certification and is expected to open in 2016.
- * Arup is providing mechanical, electrical, and plumbing engineering design services along with fire protection consulting for the design of a new 125,500 s/f academic building for the College of Health Professions at Sacred Heart University.
- * Arup is providing engineering design services for Westfield State College's new Science Center, as part of a greater university science complex. Designed by Cambridge Seven Associates, the new 54,000 s/f building is essential to the university's STEM programming and will accommodate all science and nursing concentrations. Expected to achieve LEED Silver certification, the building will open in 2016.
- * Arup performed structural, mechanical, electrical, and plumbing/fire protection engineering; acoustic consulting; audiovisual consulting; IT and communications consulting; LEED consulting; lighting design and daylighting; security consulting; and sustainability consulting at Brown University's Building for Environmental Research and Teaching.
- * Functioning as a shared facility, the 112,500 s/f Rutgers School of Engineering Gateway building will encourage collaboration among a multitude of engineering programs within the building. as well as instructional lab and research accommodations.

About Arup

Arup is the creative force at the heart of many of the world's most prominent projects in the built environment and across industry. Its engineers and consultants deliver innovative projects across the world. Arup opened its first US office 25 years ago, and now employs 1,000 in the Americas.

The firm was founded in 1946 with an enduring set of values that fosters a distinctive culture, intellectual independence and collaborative approach. The people at Arup are driven to find a better way to deliver better solutions for their clients. (www.arup.com)

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