MONDO®

No 19 • Third Quarter 2010

SPACES

Paris
Université Pierre & Marie Curie

Inlaid Platforms

Illinois
District 219 STEM Lab

Université Pierre & Marie Curie

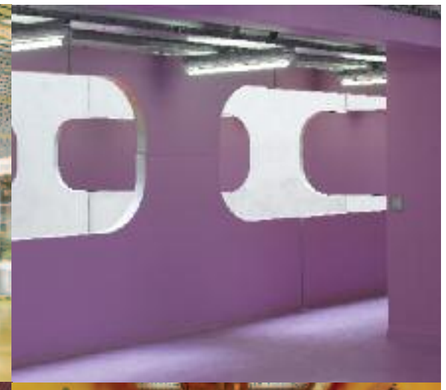
Atrium

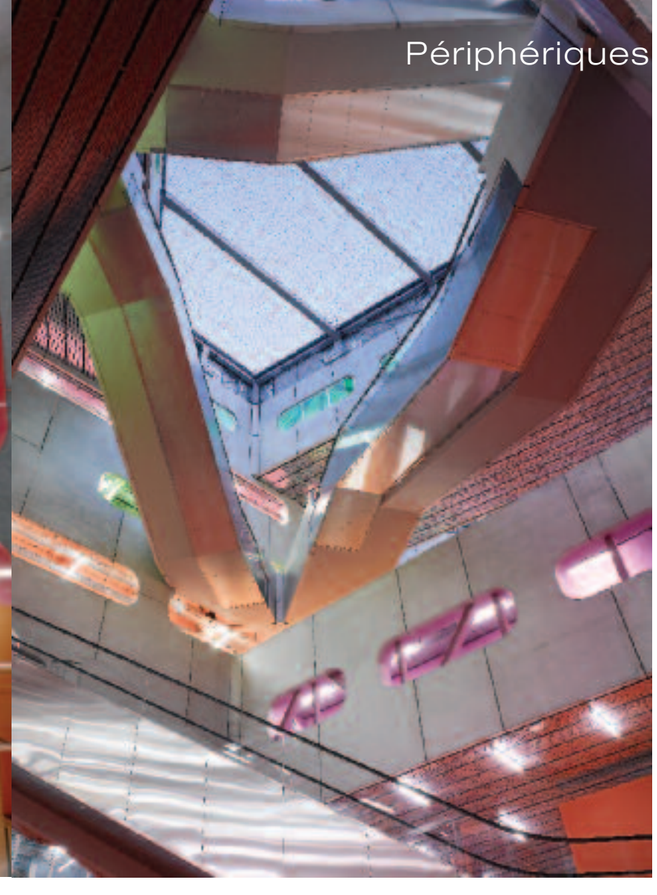
ATRIUM, the new building that partly completes the Grid by Edouard Albert, must satisfy a paradox: to preserve, respect and continue the existing construction system and at the same time propose a smooth transition between the Jussieu complex and the esplanade of the Quai Saint-Bernard. The idea is to enhance this wonderful university complex rising in the center of Paris and to link it to the Seine and farther away, the Sorbonne and the Botanical Gardens

Université Pierre & Marie Curie Atrium

“A place of great architecture dedicated to all the community, for working and for leisure.”

Peripheriques Architectes





Périphériques Architectes

The installation and the building technique used in the construction of this structure are standard profiles commercially available and have been installed through industrial manufacturing processes. The presence of basic materials (such as concrete, metal and glass) conveys an aesthetic quality that is powerful, simple and solid and, if adequately treated, can be somewhat sophisticated.

Behind this perforated and dematerialized façade—a sensitive dimension of architecture—we find a spectacular full-height central atrium, designed to organize and distribute the entire project space. This huge central space—the veritable pedagogic “heart” of the building—is flanked at every level by horizontal pathways (large balconies) and vertical access ways (stairways, escalators and elevators), which lead to the various classrooms. At some levels, truss structures a story high cut across the void, forming bridges that link the opposite sides of the atrium. Along the horizontal pathways a utility channel is reserved for the installation of plumbing, the raceway and technical compartments; it also serves as a noise attenuation cavity. This pathway is separated from the empty space of the atrium by an interior façade in mirror-polished concrete, perforated by compartments offering many observation points into the heart of the building.

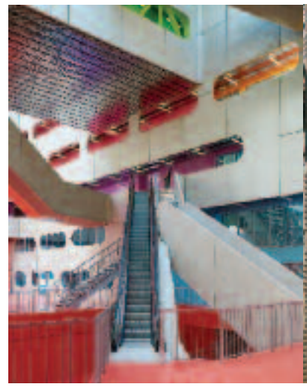
The decision to organize this great university building around a huge central void—a veritable vertical square—is meant to offer the users a global vision that will help them find their bearings and view the different teaching sectors, which feature specific color schemes. Students can tell immediately where their next lesson is going to be held. Comfortably linked by vertical ways leading to platforms that serve as “small squares” adjoining the interfaces between the programmatic units, the balconies reach the classrooms. The latter capture all the natural light from the exterior and form generously dimensioned spaces, characterized by a serene atmosphere.

You can easily view the different teaching sectors through the specific color schemes of the different spaces.

The structure as a whole is organized in eight levels above ground, including an intermediate level (the administration). The first two stories of the building, on the Saint-Bernard and Jussieu sides, accommodate the reception and animation areas of the complex, as well as project elements, like the library, that must be accessible to the entire campus. The administrative offices and the printing laboratory are situated in the center of the facility; they receive natural light from the exterior and can be accessed via the atrium. On the five upper stories we find the classrooms, computer rooms and laboratories where proper study activities have to take place. These rooms are essentially reserved for first-year students.

Finally, the basement accommodates the large exam hall, the dissertation hall and some of the technical rooms of the building. (Other technical rooms are on the rooftop.) Beneath the slopes of the basement we find the library, which is enlivened by the striking and creative design of the ceiling, in addition to a large garden, which provides attenuated light.

Study rooms are grouped on each story by subject (including physics, chemistry, computer science and multimedia areas). For practical reasons, common rooms are located on the various levels, in the proximity of the vertical pathways and the lavatories.



In this project, the treatment of the pathways plays a predominant role. There are no blind corridors or dead-end paths; all pathways are flooded with light and open onto different vistas. They permit a variety of routes through the building, while always respecting the compartmentalization of the design.

Enable people to circulate freely to encourage the sharing of ideas and knowledge

INDIANA UNIVERSITY

Inlaid Platform

Inlaid Platforms enable weight rooms to maximize their space, simplify cleaning and maintenance, and reduce injuries associated with raised platforms.

SOUTHERN METHODIST UNIVERSITY

The typical weight room sports a variety of strength-training equipment and raised wooden platforms that designate the lifting area. Although the platforms serve their purpose, they limit activity that can be done in these areas to just one thing: lifting. Athletes must move off of them and use other spaces in the gym to perform the exercises and movements they need to boost their performance. Raised platforms also are challenging to clean and maintain, and they can cause athletes to trip and fall.

Inlaid Platforms, however, enable weight rooms to maximize their space, simplify cleaning and maintenance, and reduce injuries associated with raised platforms. Featuring an integrated surface completely flat with the rest of the floor, Inlaid Platforms are made from durable Mondo's Sport Impact and Ramflex vulcanized rubber flooring and are specially designed to withstand heavy static and dynamic loads, such as free weights and cardiovascular equipment. Unlike wooden platforms, they are seamless which gives athletes and coaches more flexibility in how they use their weight room space.

"Our whole floor is flush and seamless, including the area where the athletes stand for a lot of strength-training movements, so that area can be used for other things as well," said Mark Wateska, Assistant Athletic Director for Strength and Conditioning at Indiana University, Bloomington, which opened its new weight room last August.

Deer Park High School in Texas opened its newly expanded weight facility, featuring Inlaid Platforms, in summer 2009. "We love that it's a seamless floor," said Doug Bull, the school's Strength and Conditioning Coach. "We have an 11,000 sq. foot training facility that is over 50 yards long, and with Inlaid Platforms, our athletes are able to perform a variety of movements including lunge walks. They couldn't do that before with separate platforms."

Mel de Laura, Director of Strength and Conditioning at Southern Methodist University in Dallas, said Inlaid Platforms also make it easier to move benches and boxes around the room. "You don't need to pick up and set down benches and boxes to move them out of the way," he said. "They easily slide on and off the platforms."

Inlaid Platforms are safer and easier to clean than traditional platforms. "You don't have to worry about spraining or breaking an ankle falling off the edge like with traditional platforms," de Laura said. "And you don't have to clean dirt, perspiration and hand chalk in between the cracks and on the sides."

Wateska said his prior experience with Mondo flooring was a major consideration in Indiana University's decision to install Mondo Inlaid Platforms. He also appreciates the floor's feel and performance. "There's good rigidity to it, but it has a little play to it, which allows us to do a lot of exercises with minimal impact to the athletes' joints."

Another selling point, Wateska said, was the Inlaid Platforms' low cost compared to traditional wood platforms, particularly considering their durability. "The floor is top quality, and it's going to be here for years. We bought 20 Inlaid Platforms, which saved us about $40,000 compared with what we would have spent on the same number of 8-by-8 wooden platforms."

The Inlaid Platforms' striking appearance isn't lost on coaches, athletes or visitors. Bull said that when Deer Park students got their first look at the new floor, their jaws dropped.

According to de Laura, Southern Methodist's Inlaid Platforms make a real impact in the university's recruiting efforts. "The flooring is very impressive. The students see we've got something other schools don't have."

Said de Laura, "Given all of the benefits, I would love to have Mondo's Inlaid Platforms wherever I go."

DEER PARK HIGH SCHOOL

SURFACES
Sport Impact
Ramflex

That the labs are achieving national attention is clear: they won a coveted National School Boards Association citation in its 2010 Exhibition of School Architecture awards.

STEM Labs

Legat Architects, Inc.

Lab Zone

Even before the recession hit, school districts across the country were busy devising solutions to improve science and math performance at the middle and high school levels. Niles Township High School District 219 (D219) of Skokie, Illinois, has set a standard by building an environment specifically for STEM education. The new STEM labs at Niles North and West High Schools integrate science, technology, engineering, and mathematics curricula to encourage students to research, interact, and explore.

That the labs are achieving national attention is clear: they won a coveted National School Boards Association citation in its 2010 Exhibition of School Architecture awards. Only three other projects in the United States received this distinction. The jury was very impressed with the well thought-out design: "The STEM labs have the feel and look of commercial labs. Special features within the layout, such as the Think Tank area, provide excellent opportunities for students to brainstorm and collaborate on scientific issues. The jury felt these multi-disciplines represent a best practice for STEM laboratories."

District 219 hired Chicago-based Legat Architects, Inc. to work closely with the educational and administrative staff to reconfigure existing spaces and transform them into two complimentary zones in each school: a Think Tank and a Lab Zone. At each school there were approximately 3,000 sq. ft. to adapt.

The Think Tanks are designed to encourage students to think out loud. They support real-time exchange with global conferencing with full AV input and output, a plasma TV, projectors, screens, and interactive white boards.

The Lab Zones are a model of highly flexible design, allowing easy reconfiguration and providing ample storage and easy access to power and data. Movable tables and work carts can be arranged to suit the experiment or assignment at hand, while students can plug in their laptops to use interactively with lab equipment for their research. According to D219 Director of Science, Lois Wisniewski, "These labs represent Science for the 21st century and fulfill our vision and need to prepare students as intellectual leaders."

The key to these fluid spaces is to encourage students to become active problem solvers. "It's all about promoting curricular integration and getting students excited about exploring, researching, and solving real life problems," says Patrick Brosnan, President and CEO of Legat Architects.

To ensure that the look and feel of the STEM labs were modeled as closely as possible on professional laboratories, the designers chose black Mondo Harmoni flooring. The black was nothing like the colors used in the rest of the school and the choice of rubber was for optimum maintenance and comfort underfoot. Jason Lembke, Director of K-12 Education at Legat Architects, says, "These areas are heavily trafficked and prone to spills and scrapes. The floor is easy to clean, durable, and comfortable on the feet. It also reinforces the professional research aesthetic we wanted to create."

The environment is bright and airy, and glass walls along the corridor get students excited about STEM applications. Dr. Nanciann Gatta, D219 Superintendent, says, "Our STEM research centers at Niles North and Niles West provide opportunities for our students to collaborate with each other to carry out sophisticated research, communicate with e-mentors and peers throughout the world, and gain a competitive advantage as they seek college entrance."

Clearly, for D219, collegiate level learning opportunities in a high school setting provide a real STEM for success.

STEM Lab at Niles North High School

Think Tank

STEM Lab at Niles West High School

SURFACE
Harmoni 3 mm

Legat Architects' Key Achievements

Baxter Healthcare Employee Amenities Facility
Johannesburg, South Africa

Centegra Health Center
Huntley, Illinois

Harper College Avanté Center
Palatine, Illinois

Eleven 20 Club Mixed Use Town Center
Oak Park, Illinois

Hubble Middle School
LEED for Schools Gold certified
Warrenville, Illinois

Tinley Park Train Station
Tinley Park, Illinois

University Center of Lake County
Grayslake, Illinois

Waukegan City Hall
Waukegan, Illinois

MONDO®

NEWS

CONTRACT

SCHOOLS FOR TOMORROW

To deepen its relationship with schools and school districts, Mondo has developed a new program: Schools for Tomorrow. This program extends value-added benefits, premium service and economies of scale to customers who buy large quantities of Mondo products. Through the program, school district personnel who purchase a minimum amount of Mondo product will be eligible to participate in an advisory group that will help Mondo continue to improve its products to better serve schools' needs.

Member benefits for school districts include:

- Economies of scale pricing
- Extended warranties
- Priority service
- School scholarship program
- Participation in the Vision committee
- Maintenance program

BASKETBALL

MONDO OFFICIAL SUPPLIER OF THE 2010 FIBA WORLD CHAMPIONSHIP

August 28th – September 12th, Turkey

Mondo was part of the biggest basketball event of the year, providing sport flooring, basketball and electronic equipment for Turkish venues hosting the Championship and managing installation and dismantling operations.

The USA beat Turkey 81-64 to win the 2010 FIBA World Championship. The result ended a 16-year wait for the USA, who had not won this tournament since 1994. The tournament featured 24 teams, including reigning world champions Spain. The winning team qualified automatically for the London 2012 Olympics.

Sinam Erdem Arena in Istanbul were have beeen held all the final rounds was equipped with Mondo's Fast Break System 2, video screens, electronic scoreboards and telescopic tribunes.

FITNESS

TRACK & FIELD

IAAF WORLD CHALLENGE

David Rudisha MEN'S 800 m WORLD RECORD!

August 29th, Rieti - Kenyan David Rudisha set a new 800 m World record of 1:41.01. Rudisha went through 600 metres in the lead with a time of 1:14.56 and continued to push the pace with his smooth stride. His run in the final straight was a triumphal race against the clock.

"I just knew I was in good shape…" said Rudisha. "I want to return to training for next year because 2011 will be a World Championships record," he continued. Rudisha's record was the eighth World record broken in the history of Rieti.

The magic track which uses Mondo's Super X is the most measured in the world because there is always someone that does not believe that it can be so fast. This track has seen Boaz Lalang clocking an impressive 1:42.95 to finish second ahead of USA's Nick Symmonds, third in 1:43.76 (PB), and European silver medallist Michael Rimmer from Great Britain who dipped under 1:44 for the first time in his career with 1:43.89.

2010 IAAF WORLD JUNIOR TRACK AND FIELD CHAMPIONSHIPS

July 19th, Moncton - The Championships were held at the new Moncton 2010 Stadium, which was designed to be a world-class venue, right down to its state-of-the-art Mondotrack featuring a 400-meter, eight-lane track and warm-up area. Mondotrack was also used at the 2008 Beijing Olympics and will be showcased at the 2012 London Olympics.

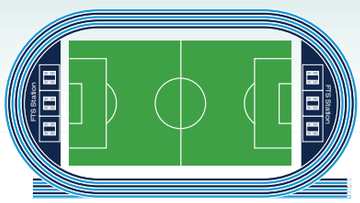
More than 1,400 of the world's best junior athletes representing 170 member federations were in Moncton to compete in 44 medal events.

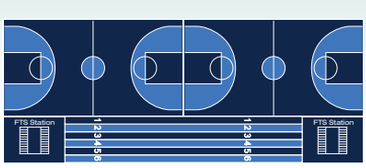
Championship highlights include:

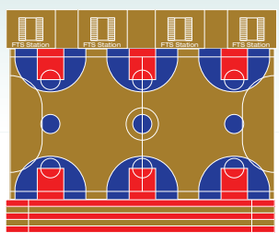
- Tizita Bogale winning the gold medal in the 1500 m race for Ethopia and Ciara Mageean having a stunning performance to win the silver medal ahead of Nancy Chepkwemoi of Kenya
- Marija Vukovic of Montenegro winning the country's first gold medal in the High Jump when she cleared 1.91 m
- US men's and women's team taking home gold in the 4x400 relays to upset both Nigeria teams

OUTDOOR CUSTOMIZED FITNESS MODULES FOR MILITARY PHYSICAL TRAINING NEEDS

Our modules are the result of extensive research conducted amongst military personnel concerning the physical training needs of military branches.







Mondo's modules are:

- Ideal to maximize areas for physical training
- Available in various designs and colors, customized to your needs
- For activities such as running, strength and core training, general fitness, speed enhancement, basketball and soccer

OUR PRESENCE

CEFPI	NRPA	Healthcare Design	GreenBuild
September 25 - 26	October 26 - 28	November 14 - 16	November 16 - 18
San Jose, CA	Mineapolis, MN	Las Vegas, NV	Chicago, IL

email mondo@mondousa.com U.S.A. 800 361 3747 Canada 800 663 8138