

NEWS RELEASE

December 9, 2016

For Immediate Release

Tokyo Tatemono Co., Ltd.
Taiyo Kogyo Corporation

Shin-toyosu **Brillia Running Stadium**
Opens December 10, 2016 (Saturday)
—Contributing to develop sports opportunities for people with impairments; first domestic facility to prominently use high-performance ETFE film in its structure—



Tokyo Tatemono Co., Ltd. and contractor Taiyo Kogyo Corporation hereby announce the grand opening of the Shin-toyosu Brillia Running Stadium on December 10, 2016. Tokyo Tatemono was granted the naming rights to the facility.

Shin-toyosu Brillia Running Stadium

Tokyo Tatemono is participating in the development of this facility as a part of its 120th anniversary project to commemorate the founding of the company. Since August 2015, Tokyo Tatemono has been an official partner of the Japanese Para-Sports Association (JPSA). This is a part of its activities to make a positive contribution to society.

The objective goes beyond offering support. The facility aims to break down barriers to create unity among more people regardless of nationality, race, or whether they are able-bodied or impaired, so that all can share the same joy and happiness. We received the honor of naming this facility.

As the name suggests, the focus of this facility is on running. This all-weather, in-door stadium features a 60-meter track and has a research facility adjacent to it that is dedicated to the study of artificial legs. The stadium will be opened to local jogging enthusiasts as a running station.

Former track-and-field athlete Dai Tamesue will serve as director of the facility, which will also be a future site for SPORTS×ART Shin-toyosu. It is the hope of Tokyo Tatemono that this facility will play a role in supporting athletes and promote an environment that is barrier-free both physically and emotionally.



Unique architectural features of Shin-toyosu Brillia Running Stadium

Shin-toyosu Brillia Running Stadium is the first facility in Japan to predominantly use ETFE (ethylene tetrafluoroethylene) film in its structure. Worldwide this film is used in cutting-edge sporting facilities that have been used for major sporting events, including the Olympics and the FIFA World Cup. ETFE film is an extremely thin material measuring 250 microns in thickness and 440 gram per square meter. It is highly durable ensuring a life of over 20 years. Another major feature of this film is that it is not prone to cloudiness from UV light. This facility employs a double-layer air-cushion system, where air is pumped by one or more inflation units between the two layers to form cushions. This provides the same insulation properties as multilayer glass and 2 meters spans where there are no beams. Dot printing is used on the surface of the film to keep light transmission to around 35%. In doing so, the temperature inside the facility is kept to around 3°C above the outdoor temperature.

The main frame of the facility was built using curved laminated wood from Japanese larch trees. The facility was selected by the Ministry of Land, Infrastructure, Transport and Tourism for its sustainable architecture leadership project (leadership in wood structures). The project was granted a subsidy for being a wooden structure architectural project that demonstrates a high level of leadership in this area. Contractor Taiyo Kogyo was one of the first to introduce the use of ETFE film in structures. The film offers the same transparency as glass but with the light-weight and flexibility of a film. This material was selected to provide athletes with a safe and open space.

Summary of Facilities

<p>[All-weather, in-door 60 meter track]</p> <p>The track is a six-lane Mondo Super X, which is used in many international sporting tournaments. It will also be used by the TRAC running school and be open to private athletes for a fee.</p> 	<p>[Laboratory for the development of artificial legs for competitive sports]</p> <p>The adjacent office space will house Xiborg, a company that conducts research, including data analysis and prototype production, for the development of artificial legs for use in competitive sports.</p> 
<p>[Running Station]</p> <p>The facility comes with a universal design mist sauna and shower room, and toilet that can be accessed by wheelchair. Private runners can also use the mist sauna and shower room for a fee.</p> 	<p>Director of the Shin-toyosu Brillia Running Stadium</p> <p>Dai Tamesue Former professional track athlete (Representative Director of Samurai Co., Ltd. and TRAC)</p> 

Profile

Name: Shin-toyosu Brillia Running Stadium

Address: 6-4-2 Toyosu, Koto-ku, Tokyo

Total area: 4,845 m²

Building area: 1,746.32 m²

Maximum height: 8.5m

Length: 109.3m

Use: Sports training

Structure: Reinforced concrete, wood, and steel

Facilities: Six-lane 60 meter track, room for adjusting artificial limbs, shower room, and locker room