

## Tour Route

Date	Time	Site	Meals		
			B	L	D
Sept. 19	8:20AM	Meeting at Tokyo Station Obayashi Corporation Technical Research Institute			
	7:00PM	Lunch Taisei Advanced Center of Technology Arrival at Tokyo Station	×	○	×

\*The meal for Lunch on Sep.19 is included.

## Tour Information

Date	: September 19 (Sat)	Meeting	: 8:20 AM @ Tokyo Station
Fee	: Coming soon.	Capacity	: 40 delegates maximum
Dress	: Casual and comfortable	Application	: By
Inclusion	: Transfer from Tokyo Station to venues		
Note	: None		



Photo.1 Main Building (Techno-Station)  
Obayashi Corporation



Photo.2 Super Active Base Isolation System Installed in Techno-Station  
Obayashi Corporation



Photo.3 Taisei Advanced Center of Technology (TAC.T)  
Taisei Corporation



Photo.4 The large-scale seismic loading system  
Taisei Corporation

### **Obayashi Corporation Technical Research Institute**

Obayashi Corporation Technical Research Institute has been established in 1965 as a core facility that actively innovates, verifies and presents construction technologies. Researchers with specialties in various fields gather at a main building called Techno-station (Photo.1), and engage in advanced R&D activities, to respond to customer needs.

Visitors can see large-scale equipment for seismic engineering, such as the tri-axial shaking table, the huge geotechnical centrifuge system and more. In addition, all kinds of vibration control devices and earthquake-resistant technologies applied to the actual buildings in the institute such as super active base isolation system installed in Techno-Station (Photo.2) can be observed.

### **Taisei Advanced Center of Technology**

Taisei Corporation has undertaken many construction projects in Japan and overseas since its establishment in 1873. Its first research institute was established at Toyosu in 1958, and was transferred to Yokohama in 1979. Since then, the institute, which is now called "Taisei Advanced Center of Technology (TAC.T)", has been continuously renovated and expanded its facilities (Photo.3).

In the tour, facilities for earthquake engineering will be introduced, for example, the laboratory that has high-performance testing equipment such as a large-scale seismic loading system or a tri-axial shaking table. The large-scale seismic loading system (Photo.4) can simulate complicated loads on specimens with controlling multiple actuators simultaneously and continuously. The tri-axial shaking table can reproduce the ground motions associated with major earthquakes. Facilities for other fields related to civil engineering, environmental engineering, and wind and fire safety engineering, can be also seen in the tour.