

Salesforce Tower

Boston Properties and Hines, San Francisco, United States



WSP SMART™ SOLUTION

Converging building management and metering systems to increase performance and functionality as well as environmental sustainability.

MAKING WSP SMART™ CONNECTIONS

- Holistic network approach to include VOIP/WAN/LAN.
- Integrated visitor information system.
- Low energy air distribution system allows improved ventilation efficiency as well as air indoor quality impact.

PROJECT OVERVIEW

SECTOR SERVED	SOLUTION DELIVERED		FUTURE READY®	
Public Sector + Private Sector	 Digital Solution	 Advisory Services	 Technology	 Society
			 Resources	 Climate

PROJECT SUMMARY

Salesforce Tower is an iconic building on the skyline of San Francisco, and the focal point of the Transbay redevelopment area. The tower is located in the SoMa (South-of-Market) district of San Francisco, above the new transit centre, which is set to become a major transportation hub. At a height of 1,000 feet (304 metres), it will be one of the tallest buildings in California.



Sustainability and wellness will be among the hallmarks of the design of this building. Through the services provided, WSP made sure the tenant's employees could work anywhere in the building. We used a converged network approach to include VOIP/WAN/LAN. This approach not only increases the building's performance and functionality, but also its environmental sustainability, through the convergence of the building management and metering systems. It will enable the building's operator the ability to gather and make informed decisions, based on key metrics from the building.

We also provided information technology design services for the transit facility. Located in one of the busiest areas of San Francisco, security is an important aspect in the design of this tower. We integrated a visitor information system to better manage who comes into and out of the building that incorporates a large-scale schedule board and digital signage. The HVAC system we have designed will help achieve high standards of comfort while remaining energy-efficient. Every effort has been made to optimise the quality of the indoor environment for optimum employee satisfaction resulting in increased productivity. For example, there is 100 per cent natural ventilation, good air circulation and occupants can adjust the temperature at their workstations to suit their individual needs.

With floor to ceiling windows, a high level of natural light penetrates the building. Since systems are installed in the raised floor, the office space is flexible and can change throughout time, by easily reconfiguring power, data and air systems. Their location along with the low velocity air supply, allow for this system to produce little or no noise, an important feature for occupants. To complement the beauty of this building, a 5.4-hectare city park has been designed at the bottom of the tower for everyone to enjoy.

Our building services designs include many innovations for low environmental impact. These Class A offices, incorporate sustainable features such as LED lighting, tenant and system metering, regenerative elevators and high efficiency boilers and chillers. We designed a very low energy floor-by floor under floor air distribution system which improved ventilation efficiency as well as air indoor quality. The free cooling and heating systems resulted in substantial energy savings. WSP assisted the client in achieving LEED Platinum certification.

WSP SMART™

WSP Smart™ integrates technology, sensors, communication and real-time analytics capabilities with the environment. WSP Smart™ brings new thinking to designing cities, buildings, infrastructure, across the built and natural environment.

CONTACT US

For more information on WSP Smart™, please contact Lucy.Casacia@wsp.com

ABOUT US

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technicians, scientists, architects, planners, surveyors and environmental specialists, as well as other design, program and construction management professionals. With approximately 49,800 talented people globally, and 8,000 here in Canada, we are uniquely positioned to deliver successful and sustainable projects, wherever our clients need us. www.wsp.com