The suspension roof of this 134,700-square-meter (1.45 million-square-foot) convention center integrates into a single sweeping gesture the contextual, environmental, structural, and programmatic requirements of the project. Its iconic design takes inspiration from the historic suspension bridges that span the Allegheny River adjacent to the riverfront site and provides the latest chapter in Pittsburgh’s long history of engineering and technological innovations. This unique steel cable structure made possible a naturally-lit, column-free 23,230-square-meter (250,000-square-foot) exhibition hall.