

Zaha Hadid Architects partners with Hyperloop Italia

Co-designing the next generation of high-speed transportation in Italy

Zaha Hadid Architects (ZHA) has signed an agreement with Hyperloop Italia to co-design the next phase of works for the transport vehicles, marking a turning point for the future of transportation.

The collaboration aims to merge transformative architecture, engineering and urban planning with the most efficient and sustainable transport network to improve accessibility, connectivity and well-being in cities.

The Hyperloop Partnership Program was launched by Hyperloop Italia, with a commitment to building the most accessible, convenient and safest transportation system in the world using a new generation of environmentally-friendly materials. The Italian transportation network's multidisciplinary approach combines innovations in both design and operational technologies, allowing the architecture firm to deliver a future-resilient project that is inventive, efficient and environmentally conscious.

Hyperloop vehicles transport passengers and cargo at very high speed safely, economically and sustainably. The operation uses passive magnetic levitation technologies powered by renewables, transporting passenger and cargo capsules through low-pressure tubes to minimize friction. This newly-developed system requires a small amount of energy compared to the energy needed to power traditional modes of public transport.

In addition to ZHA's monumental civic and cultural structures, the firm's portfolio also includes award-winning transportation infrastructure projects such as the Hungerburg Nordpark mountain railway in Austria, the Napoli-Afragola high-speed railway station, Beijing Daxing International Airport and the Sheikh Zayed Bridge in Abu Dhabi. The partnership with Hyperloop Italia marks ZHA's first venture into the world of hyperloop transport.

Source: ArchDaily / designboom / JEC Composites, based on the Hyperloop Italia–Zaha Hadid Architects announcement of June 2021. The original .docx file was online-only and not readable from the local OneDrive cache.