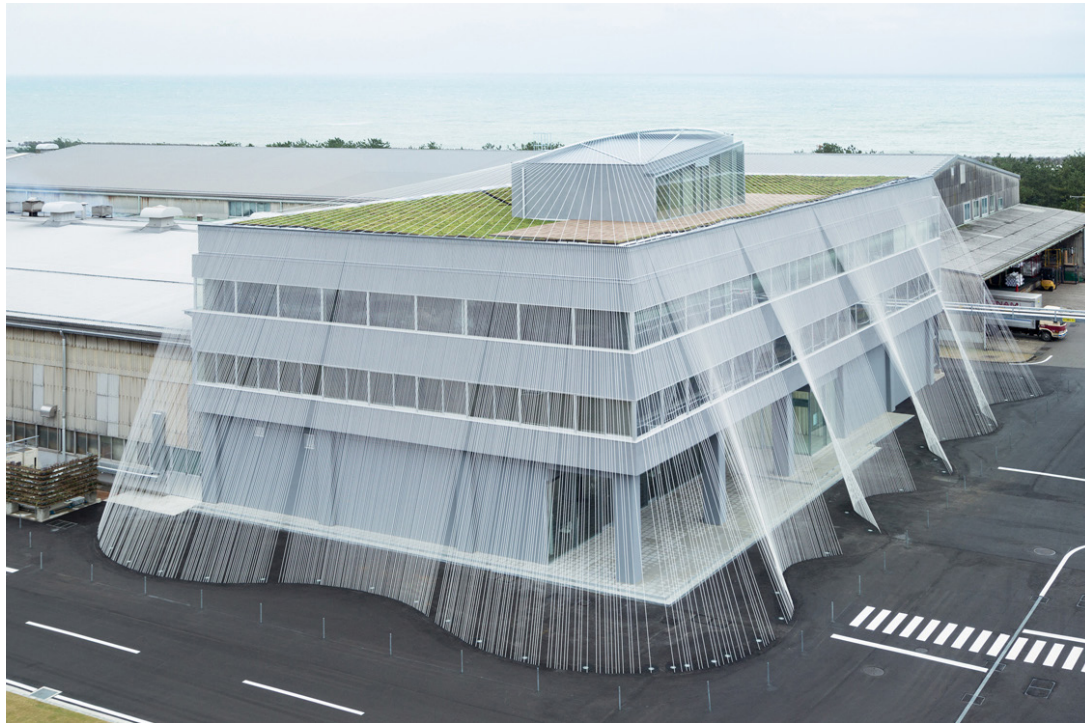


Komatsu Seiten's head office

case study
By Shijing Zhu

Location: Ishikawa, Japan



Architect: Kengo Kuma

Owner: N/A

Year of completion: 2015

Climate: Humid subtropical climate

Material of interest: Carbon Fiber Strands

Application: Exterior

Properties of material: Japan-based Komatsu Seiten Fabric Laboratory has created a new thermoplastic carbon fiber composite called CABKOMA Strand Rod. The Strand Rod is a carbon fiber composite which is covered in both synthetic and inorganic fibers and finished with a thermoplastic resin. The material has been used on the exterior of Komatsu Seiten's head office. The carbon fiber strands have many advantageous features. Not only is it aesthetically pleasing, but it also is the lightest seismic reinforcement in the world. It has high tensile strength with a "delicate but strong structural body."

Sources:

<https://www.archdaily.com/785175/komatsu-seiren-fabric-laboratory-creates-cabkoma-strand-rod-to-protect-building-from-earthquakes>

<https://www.architonic.com/en/project/kengo-kuma-komatsu-seiren/5103455>