

General Information

- **Project Title:** Highly automated Physical Achievements and Performances Using Cable Robots Unique Systems
- **Project Acronym:** HEPHAESTUS
- **Sponsor/Client:** European Union's Horizon 2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
- **Budget:** ca. 4 million €
- **Duration:** 2018 - 2021
- **Website:** <http://www.hephaestus-project.eu/>

Abstract

The HEPHAESTUS project explores the innovative use of robots and autonomous systems in construction, a field where the incidence of such technologies is minor to non-existent. The project aims to increase market readiness and acceptance of key developments in cable robots and curtain walls.

Key Facts

- The project prototype cable robot is designed to build, repair and maintain a building façade
- HEPHAESTUS Cable robots are for the automated positioning and assembly of façade panels on the site for empowering and strengthening the Construction Sector in Europe

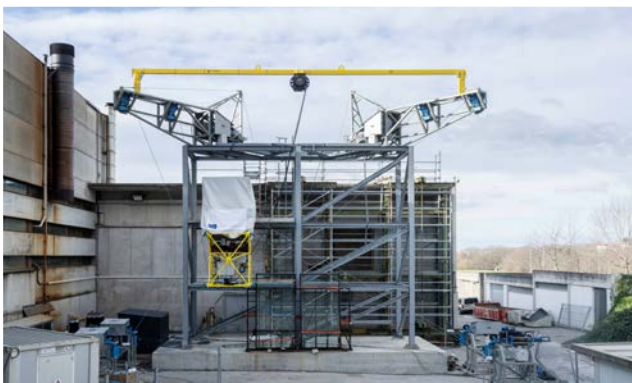


Figure 1: Hephaestus cable robot overall system with an example of a prototype building and curtain wall system, suitable for robot assembly



Figure 2: Hephaestus cable robot end effector

Contact Information