



# Space in the H2020 Green Deal Call

EGNSS contribution to the topic “Building and renovating in an energy and resource efficient way” (LC-GD-4-1-2020)

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# Area 4: Energy and resource efficient buildings

## LC-GD-4-1-2020: Building and renovating in an energy and resource efficient way

Type of action: **Innovation Action**  
Indicative topic budget: € 60 million

**EGNSS reference in the topic:**

*“...digital and EGNSS-based methods of design and construction, smart monitoring and tracking of building and renovation processes.”*

### A non-exhaustive list of innovative applications

- ✓ **Augmented and mixed reality** for construction
- ✓ Mapping of all building components for **Digital Twin** or **Building Information Modelling (BIM)**
- ✓ Location-based applications for governmental processes, e.g. energy labeling of buildings
- ✓ Using sensors and smart monitoring to anticipate problems (land deformation, natural hazards)
- ✓ **Smart grids**

### The added-value of EGNSS differentiators

#### **Galileo High Accuracy Service (HAS):**

The only constellation offering **free global high accuracy service (<20cm)** directly from satellites **without dependency of Internet** or additional communication channels

#### **Galileo Authentication Services:**

Galileo will also offer **increased robustness to spoofing** thanks to its **Signal Authentication Service (SAS)** and the **Open Service Navigation Message Authentication (OS-NMA)**

