

**C**ONTROL SYSTEM BASED ON A  
**H**IGHLY  
**A**BSTRACTED AND  
**O**PEN  
**S**TRUCTURE



***WP4***


***task 4.1 & task 4.3***

# Obiettivi dei tasks in carico a PG (1/2)

*The WP4 will focus on HRP implementation dedicated to the use cases of the project.*

*Task 4.1 - ESCO HRP implementation (Task leader Mauro Piccini)*

*This task is dedicated to the ESCO use case. The following steps will be carried out:*

- **Collecting the ESCO requirements;** 
- *Defining and testing the HRP (eg. Systems On Chip and/or task 4.4 solution);*
- *Implementing the sensors interconnection and topological structure for both wired and wireless solutions;*
- *Developing the first revision of reference platform the assessment;*
- *Test, release and qualification.*

# ***Obiettivi dei tasks in carico a PG (2/2)***

***Task 4.3 - Identification of the operating standards for wired and wireless network connections (Task leader Bruno Checcucci)***

***This task is dedicated to find out solutions for the interconnections. This is important mainly for the ESCO case where the constrains of the building to be monitored claim for special attention:***

- Defining the implementation of wired transmission technologies (eg. Ethernet and/or Power Line Communication) and wireless (eg. IEEE 802.11 and/or IEEE802.15.4 and/or 802.16)***
- Test, release and qualification.***

# ***Milestones per noi:***

***M4.1 Definition in collaboration with WP3 the software and hardware specification and requirements.***

***UNICA PER TUTTO IL WP***

## ***Deliverables:***

***D4.1 ESCO HRP***

***D4.3 Prototypes hub and gateway G-HRP***

***Month of delivery: last month of the project.***

# A valle della revisione del progetto

<i>Staff TI</i>	<i>Staff TD</i>	<i>Materiali</i>	<i>Attrezzature</i>	<i>Missioni</i>	<i>Servizi</i>	<i>Totale</i>
<b>1.4</b>	<b>23,1</b>	<b>4</b>	<b>9</b>	<b>3</b>	<b>5</b>	<b>45,5</b>
						<i>Delta In eccesso di 0,35ke</i>

<i>Partecipanti @pg</i>	<i>task</i>	<i>% FTE</i>
<b>Bruno Checcucci (TI)</b>	<b>1 &amp;3</b>	<b>30 %</b>
<b>Mauro Piccini (TI)</b>	<b>1</b>	<b>... %</b>
<b>assegnista</b>	<b>1 &amp;3</b>	<b>100 %</b>
<b>Contratto di coll.</b>	<b>1 &amp;3</b>	<b>-</b>

# Azioni in programma

## **Task 4.1 & 4.3**

### **Acquisire le richieste della ESCO;**

*Bandire assegno di ricerca e presa in servizio del vincitore con la massima urgenza;*

*Attivazione del contratto di collaborazione;*

*Individuazione della (delle) soluzione (soluzioni) tecnologica/e (HRP) anche mediante lo studio in parallelo di possibili soluzioni tecnologiche da implementarsi in alternativa (specifico item del task 4.3);*

*Acquisto/i;*

*Avvio dei test.*