

TALENT - Final Event

Date: 22 June 2023

Place: [L42 Business Centrum](#), Brussels, Belgium

Time	Item	Speaker
09:00 - 09:15	<i>Registration and Welcome coffee</i>	
09:15 - 09:25	Welcome & Introduction	Marian Gallego, CARTIF
First part: Our achievements		
09:25 - 09:30	Project results presentation	Marian Gallego, CARTIF
09:30 - 09:40	Intelligent battery modules easily scalable for different applications	Pablo García, UNIOVI
09:40 - 09:50	1.5 kV three-port, modular two-level power electronics for hybrid PV and storage system based on new IGBT devices	Javier Pedraza, Gamesa Electric
09:50 - 10:00	High Voltage Inverter for High Voltage battery system	Jérémy Martin, CEA
10:00 - 10:10	Stationary Battery Digital Twin (light, full version)	Darja Skrt Georgiev, CyberGrid Marian Gallego, CARTIF
10:10 - 10:20	La Plana Controller (TSC)	Antonio Riesco, Siemens Gamesa
10:20 - 10:30	2kV power chip (IGBT and FWDi)	Thomas Radke, Mitsubishi Electric Europe
10:30 - 10:55	Overall strategy and perspectives for exploitation	Lorenzo Dall'Oro, RINA-C
10:55 - 11:40	<p style="text-align: center;">Networking coffee-break</p> <p style="text-align: center;"><i>The representatives will stand close to the roll-up/poster of their project and meet the interested participants during the coffee break</i></p>	BEPA, HELIOS, LOLABAT, AGISTIN, ENFLATE, IANOS, TIGON
11:40 - 12:10	Panel Discussion on TALENT results + Q&A	CARTIF/Partners in charge TBD
12:10 - 13:10	Lunch break	
Second part: Future vision		



13:10 - 13:20	<i>Round table's introduction</i>	Marian Gallego, CARTIF
13:20 - 14:05	<i>Round table 1: Electric batteries integration in the electric system for flexibility purposes. Stakeholders, Policy makers</i>	Wouter IJzermans, BEPA
14:05 - 14:50	<i>Roundtable 2: Management of decentralized and hybridised energy systems. Stakeholders, Policy makers</i>	Darja Skrt, CyberGrid
14:50 - 15:00	Wrap up	

Round tables 1 and 2 will run one after another. All interested participants are invited to exchange their views on these topics:

Round table 1: Electric batteries integration in the electric system for flexibility purposes.

The transformation of the energy system, led by the increasing introduction of RES requires the integration of batteries along the different stages of the power supply chain. Electric batteries are key to adjust the variability of the generation coming from RES such as wind and solar energy, and the end-users demand.

TALENT project has developed new designs and architectures for power electronics aiming at cost reduction, thus boosting the integration of electric batteries along the power system.

Round table 2: Management of decentralised and hybridised energy systems.

In recent years the global shift to a more sustainable energy system calls for the transformation of the energy sector, which must consider the increasing penetration of renewable power generation by means of increasing the grid flexibility, while guaranteeing its stability and supply security.

TALENT project has developed a software tool able to manage a set of heterogeneous generation sources, loads and batteries according to different criteria of stability, efficiency, cost, maintenance, environmental and power flows requirements, accessing the state of all the energy sources, both RES and non-RES, and the batteries.



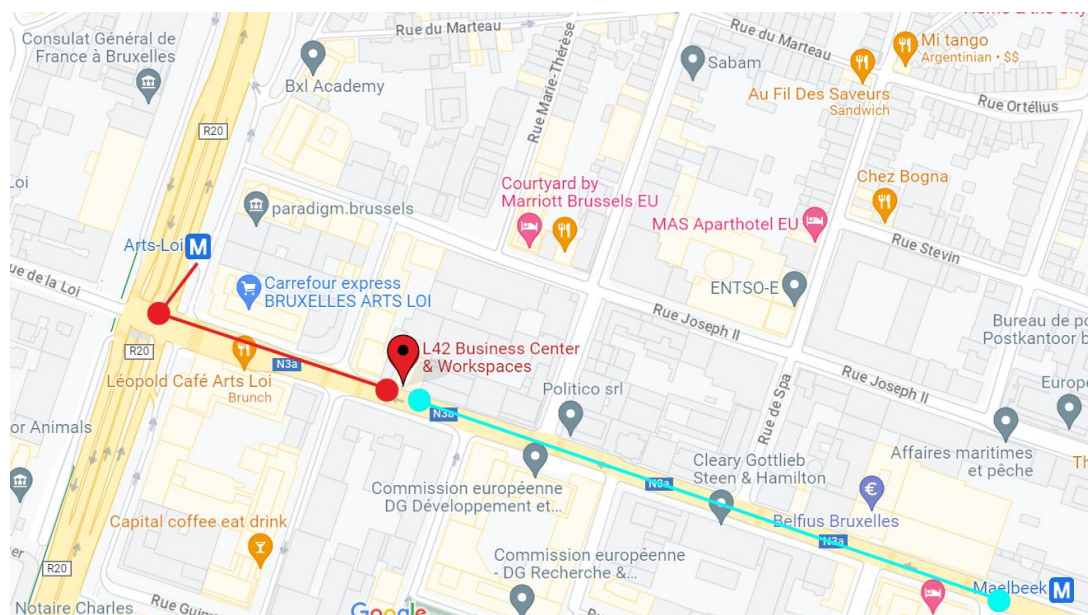
How to get to the venue?

L42 is easily accessible by public transport.

Metro: lines 1, 2, 5 and 6

Art-Loi/Kunst-Wet: 2 mins walk

Maelbeek: 6 mins walk



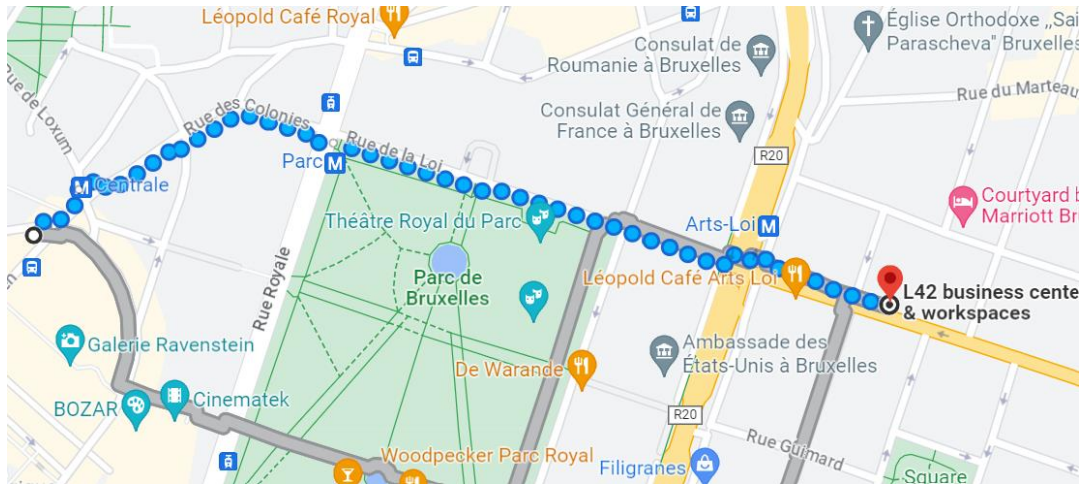
Trains:

Central station: 13 min walk

Metro: lines 1, 5 (5 min)

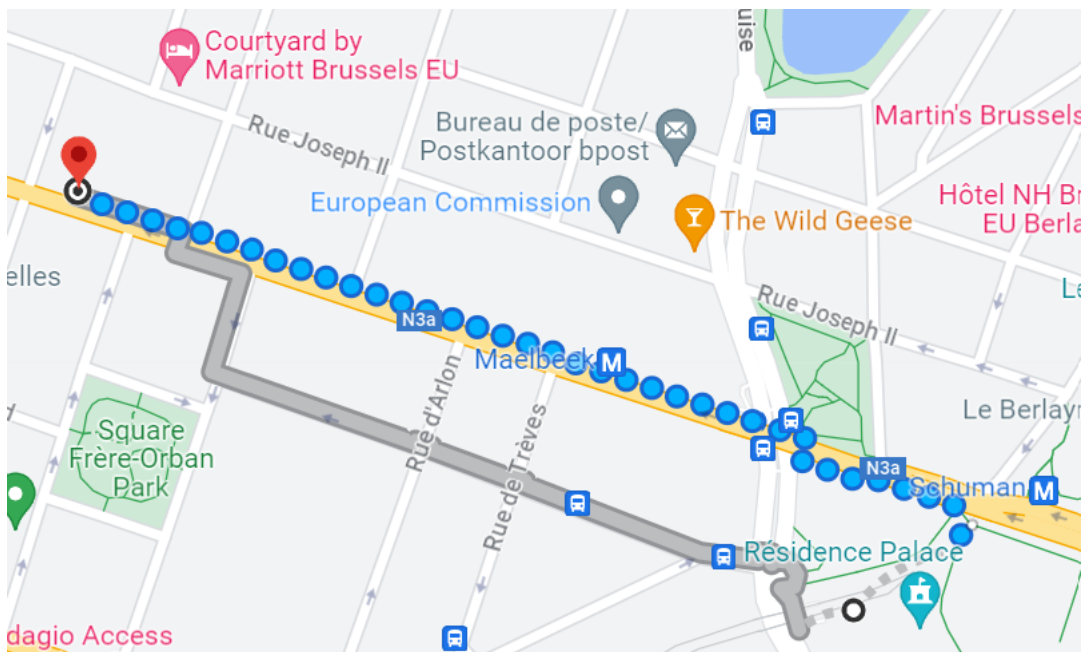


COST EFFECTIVE TECHNOLOGICAL DEVELOPMENTS FOR ACCELERATING ENERGY TRANSITION



Schuman Station: 10 min walk

Metro: lines 1, 5 (6 min)



Where to stay in Brussels?

Hotels :

Thon Hotel EU, Rue de la Loi 75, 1000 Bruxelles

<https://goo.gl/maps/pQS7gvzeckYLV0U5A>



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Residence EU, Rue d'Arlon 81, 1040 Bruxelles

<https://goo.gl/maps/DSNkkds6TnFc79YH8>

Courtyard by Marriott Brussels EU, Rue Joseph II 32, 1000 Bruxelles

<https://goo.gl/maps/qvfpvKY754ArXLoF6>

MAS Aparthotel EU, Rue de Spa 14, 1000 Bruxelles,

<https://goo.gl/maps/U9eQZi8KXqhoVH2u7>

Stanhope Hotel Brussels by Thon Hotels, Rue du Commerce 9, 1000 Bruxelles

<https://goo.gl/maps/ifwhbjN855Sdwbj46>

Renaissance Brussels Hotel, Rue du Parnasse 19, 1050 Bruxelles

<https://goo.gl/maps/BZ4rSUEQvdtAzCis5>

Smartflats Design - L42 - Appart hotel Bruxelles Quartier Européen, Rue de la Loi 42, 1040 Bruxelles, <https://goo.gl/maps/q1BGy1vpanZog7Je8>

B-aparthotel Regent Brussels, Bd du Régent 58, 1000 Bruxelles

<https://goo.gl/maps/cNzPSJKb55yWPWVj9>

