

Demo 4 Special Workshop

Innovative repowering of AC corridors

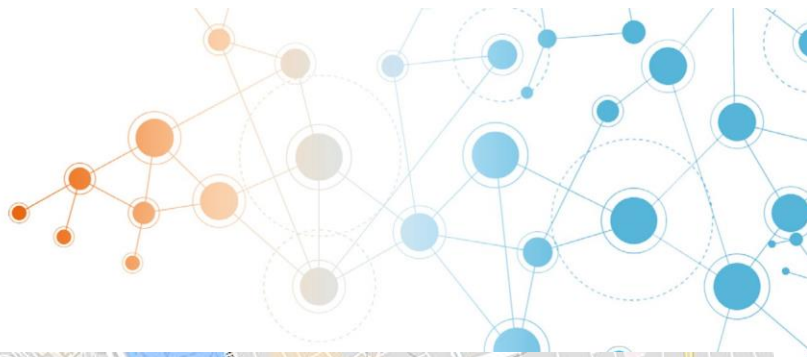
5 April 2018 - 8:30-16:00 - Budapest

The 2nd in our series of Best Paths Special Workshops will show the latest technologies to **increase electricity line capacities** through repowering existing Alternate Current transmission corridors. The innovations are being developed under the **Demo 4** of the EU-funded project Best Paths.

The experts of Demo 4 are developing and testing several innovative systems, such as new insulated cross-arms, High Temperature Low Sag Conductors and new methods of live-line maintenance.

[Register to the workshop](#) to meet our experts and learn more about Demo 4.

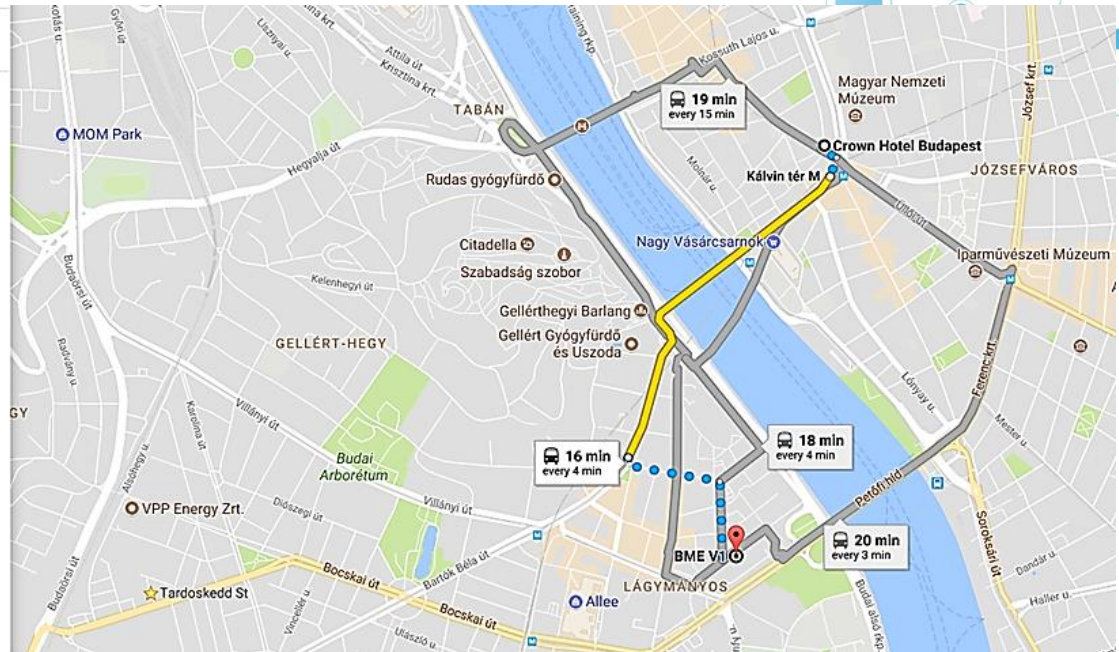
Draft agenda	
8h30 – 9h00	Registration and coffee
9h00 – 9h15	Welcome speeches Kamilla Csomai, CEO, Mavir József Biró, Vice-Dean, Budapest University of Technology and Economics (BME)
9h15 – 10h00	Overview of the Best Paths project Matthias Müller-Mienack, GridLab on behalf of 50Hertz
10h00 – 13h00	Overview of Demo 4 activities
10h00 – 10h25	Testing of insulated cross-arms Igor Gutman, i ² G on behalf of STRI
10h25 – 10h50	Demonstration of insulated cross-arms Jean-Francois Goffinet, Elia
10h50 – 11h15	Coffee break/poster session on Demo 4 & discussion with Demo 4 Task Leaders
11h15 – 11h40	Long-term tests with High Temperature Low Sag Conductors Wilhelm Kiewitt, 50Hertz
11h40 – 12h05	Robot mounting of air warning markers Livia Dickie, Statnett
12h05 – 12h30	Dynamic line rating low cost sensor Pablo Rodriguez, Red Electrica de España
12h30 – 13h00	Live-line working technologies Bálint Nemeth, BME Viking
13h00 – 14h00	Lunch
14h00 – 14h45	Visit of BME laboratory and discussion with experts of Demo 4 Live demonstration of insulator changing BME and MAVIR
14h45 – 15h15	Coffee break/ poster session on Demo 4 & discussion with Demo 4 Task Leaders
15h15 – 15h50	Live demonstration of conductor car BME and MAVIR
15h50 – 16h00	Conclusions Matthias Müller-Mienack, GridLab on behalf of 50Hertz



SCHEDULE EXPLORER

- Crown Hotel Budapest**
Budapest, Kecskeméti u. 14, 1053
- Walk**
About 2 min, 160 m
- Kálvin tér M**
- 49 Kelenföld vasútállomás M**
6 min (3 stops) - Stop ID: F01005
- Gárdonyi tér**
- Walk**
About 8 min, 700 m
- BME V1**
Budapest, Egy József u. 18, 1111

Tickets and information
BKK - (1) 325 5255



Event venue

Budapest University of Technology and Economics (BME) – Building A

Budapest, Egy József str. 20-22, 1111 Hungary

www.bme.hu

Accommodation

Mercure Budapest Korona

Budapest, Kecskeméti str. 14, 1053 Hungary - www.accorhotels.com

Please use [this form](#) to book your room – Accommodation and travel are at the expense of participants

Getting to the BME from Mercure Budapest Korona

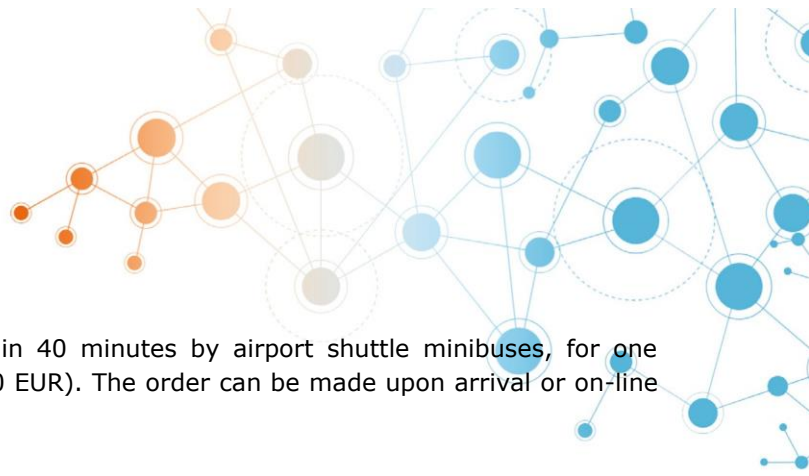
The Kalvin square stop of tram 49 is in front of the Mercure Budapest Korona. By this tram line the Gárdonyi square can be approached. The entrance of BME V1 building is 700 meters far from the tram stop by walk.

Getting to Budapest

By Plane

Most European and North American airlines including low-cost airlines operate flights to Budapest Liszt Ferenc International Airport (BUD) on Terminal 2A or 2B, which are adjacent to each other and connected by a short passage. Terminal 2A serves all the airlines to/from the Schengen countries, while 2B welcomes traveller of all non-Schengen destinations. For actual departures and arrivals please check the homepage of Budapest Airport.

- www.bud.hu



From the airport the city can be reached within 40 minutes by airport shuttle minibuses, for one passenger to the city centre costs 3200 HUF (10 EUR). The order can be made upon arrival or on-line prior to travel.

- www.airportshuttle.hu

You can also take a taxi, which are now uniformly yellow cabs in Budapest. A ride to the city centre by taxi should typically cost around 7000 HUF (25 EUR) depending on traffic conditions. The main providers are Főtaxi, 6×6 Taxi, City Taxi, and Taxi4.

The most economic way to get into town from the airport is to use public transport bus 100E, which terminates at Deák Ferenc tér metro station, but also stops at Kálvin tér. Bus tickets can be purchased from the info point at the airport for 350 HUF (1.15 EUR) or from the driver for 450 HUF (1.50 EUR), or can be bought in advance at post offices and ticket vending machines at the stops.

- www.bkk.hu

By train

Budapest has direct rail connection with 25 capital cities. International trains arrive at one of the three major train stations in Budapest: Nyugati, Keleti and Déli pályaudvar (railway station). The railway stations are connected to the underground stations as well: Nyugati with the metro line M3 (blue line), Keleti and Déli with the metro line M2 (red line). For timetables and further information about national and international trains, please check the webpage of the Hungarian Railways (MÁV).

- www.mavcsport.hu

By Bus

The company Volán busz operates public bus transportation service in Hungary, and also offers international coach service to Budapest from many countries. If you plan your trip to Budapest by coach, you can check the Eurolines timetables. All coaches from abroad arrive at Népliget coach station, from where you can take metro line M3 (blue line).

- www.eurolines.hu

By Car

Out of Hungary's five motorways and four main roads eight leave from Budapest. An e-vignette is mandatory on all motorways. It can be obtained at border crossing points, at larger petrol stations and online. Its price for cars (category D1) is 2975 HUF (10 EUR), which is valid for 10 days. The method of checking road use authorisation is based on vehicle registration numbers, and as a consequence, there is no need to use physical vignettes or windscreen stickers. If you rent a car, please make sure the rental fee includes the motorway ticket and insurance. Alcohol consumption is strictly prohibited before driving.

- www.toll-charge.hu

Transportation in Budapest

For local travel suggestions you can use BKK FUTÁR trip planner for public transport (app available in Google Play, iTunes and Windows Phone stores). Tickets valid for bus, trolley bus, tram and metro can be purchased in kiosks, in shops, at underground stations and in ticket vending machines. One ticket is valid only for one journey (single way on the same vehicle) except you can change from a metro

line to another metro line with a single ticket. Otherwise upon changing vehicle, you need to validate another ticket. 24 hour and 72 hour tickets are also available.

Alternatively you can use in the city centre the bike-sharing system (BuBi), purchasing a 24 hour ticket for 500 HUF (1.7 EUR), a 72 hour ticket for 1000 HUF (3.4 EUR) or a weekly ticket for 2000 HUF (6.7 EUR). You will need to leave a deposit of 25.000 HUF (83 EUR) from your credit card, which you will get back after the validity period of your ticket. Cycling is free of charge for the first 30 minutes.

- www.bkk.hu
- www.bubi.hu

Budapest sightseeing

Budapest is the capital of Hungary with about 1.7 million inhabitants. The city was founded in 1873 uniting Buda, Pest and Óbuda, but the history of the city goes back to the Roman times. Budapest is the political, cultural and commercial centre of the country, and the city is a beloved touristic target, especially in the last decade. More UNESCO World Heritage sites and beautiful buildings form the XIX. Century are to be found in the city.

More information about sightseeing in Budapest can be found here:

- http://www.budapest.com/city_guide/attractions.en.html

Cultural highlights

- Buda Castle district – UNESCO World Heritage
- Statue of Liberty on the Gellért Hill
- Chain Bridge
- Parliament
- St. Stephen's Basilica
- Heroes Square – UNESCO World Heritage
- Recreational opportunities
- Bathes (Gellért, Széchenyi)
- City park with Zoo
- Margaret Island
- Opera House
- National Theater and National Museum
- Museum of Fine Arts

Contact details

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