


NR.	SECTION	DESCRIPTION
0	Photograph	
1.	Title of the practice	Electric vehicle charging infrastructure around Lake Balaton (P7)
2.	Precise theme/issue tackled by the practice	<p>The European Union expects that the members should reduce the using of conventional fuel cars to 50% till 2030. And to 2050, we have to reduce the total number of these vehicles (White Paper).</p> <p>Most vehicles run on petrol or gas. Recently car manufacturers have launched cars operating with electricity. There is research going on how other energy sources, such as solar energy and water, or electricity could be used for running vehicles.</p> <p>EON has started its good practice to install electric charging stations in Hungary. EON wants to initiate the terms of the electric traffic with a zero CO emission. Due to the rising oil prices, the vehicles with electric drive became more and more famous. An electric vehicle has a very high efficiency. The cost efficiencies are: cheaper fuel, less maintenance.</p> <p>The usage of an electric vehicle can help to strengthening the sustainable urban policies and reducing the CO emission. The number of electric or hybrid-cars are very small in Hungary. But the state would like to support this proposal.</p> <p>State support opportunities:</p> <ul style="list-style-type: none"> - Permission for the usage of bus lane, free parking in the cities, tax reliefs. <p>Currently this is expensive. But with a right support and quantity production it can be very economical.</p>
3.	Objectives of the practice	The conditions of the electric mobility would be provided by the renewable energy production.
4.	Location	<ul style="list-style-type: none"> - Central Hungary - Central Transdanubia - Western Transdanubia
5.	Detailed description of the practice	<p><u>Origin:</u></p> <ul style="list-style-type: none"> • Reduce the using of conventional fuel cars. • Promote the new transport methods. <p><u>Timescale:</u> 2011-2012</p>

		<p><u>Bodies involved / implementation:</u></p> <ul style="list-style-type: none"> • Eon Energy Service Ltd. • Fullsopron Ltd. • EH-SZER Ltd. • Hotel Kempinski • Hotel Normafa • Old Lake Golf Hotel • Jókai Parking House • Hotel Corvina • Hotel Azúr • Festetics Castle • Torony Restaurant • Hotel Jancsár • Hotel Flamingó • Council of Győr <p><u>Process and detailed content of the practice:</u></p> <ul style="list-style-type: none"> • Kempinski Hotel-Budapest: 2011.10 • Tata-Győr-Mosonmagyaróvár: 2012.04 • E-route around the Balaton: Siófok-Fonyód-Keszthely-Balatonfüred-Székesfehérvár (2012.08) <p><u>Legal framework:</u></p> <ul style="list-style-type: none"> • The main aspect of the installation: touristic area. • The installation was oriented mainly to the west part of the country (and Budapest), regarding the possible and systematic touristic habits. <p><u>Financial framework:</u></p> <p>Approximately 72,000 Euros (with PR costs)</p>
6.	Evaluation	<p><u>Possible demonstrated results (through indicators):</u></p> <ul style="list-style-type: none"> • 13 charging stations. • It's a good dissemination of the environmental friendly transport methods. • Free of charge. • It addresses the potential tourists and the most popular areas of the country. • It is a zero CO emission transport option. <p><u>Possible success factors:</u></p> <ul style="list-style-type: none"> • It was just an infrastructural investment. We will be able to measure the success in the rising nr. of electric users and from environmental perspective.

		<p><u>Difficulties encountered:</u></p> <ul style="list-style-type: none"> • The number of electric or hybrid cars are not too much in Hungary. • These transport methods will be most significant in the future. • The coverage of the network is incomplete. <p>The evaluation and maintain the system has three core components. First of the charger, second is the installation and maintenance, and the last is the renewable energy production. The supplier (in this case the EON) provides all these tasks.</p>
7.	Lessons learnt from the practice	Unfortunately the demand is not too big, and these days the most hybrid or electric cars are too expensive, so these charging stations are unused.
8.	Contact information	<p>Balázs Nyőger</p> <p>Phone: +36-96/521-733</p> <p>balazs.nyoger@ehszer.hu</p>
9.	Other possible interesting information	<p>The electric vehicles have advantages and disadvantages too, these are the follows:</p> <p><i>Disadvantages:</i></p> <ul style="list-style-type: none"> • The number of the electric charging stations is not too much. • The electric charging stations are far from each other. <p><i>Advantages:</i></p> <ul style="list-style-type: none"> • Environmental friendly. • Cheap fuel. • That can be the future of the world. • A lot of state support opportunities. • The electric vehicles are so quick, just like the petrol or gas vehicles.