

FREE STANDING CHARGING STATION FOR ELECTRIC VEHICLES

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Abstract: *Electric mobility is a reality of the present time. The number of electric vehicles of all types is increasing from year to year. Setting up a dense network of charging stations for e-vehicles is an important prerequisite for a successful development in this area. The paper presents the conceptual design, planning and implementation of this unique charging station for e-vehicles which is located at School centre Kranj, Kidričeva 55 in Kranj. The project was a “joint venture” of secondary school students and one from high school (from electrical engineering programme) at STŠ ŠC Kranj and realized in Metron Institute, owned by Andrej Pečjak. The station is connected to low voltage grid via the main electricity cabinet at School Centre which enables charging through 22 kW socket.*

Key words: *electric mobility, electric vehicle, charging station for EV, Type 2*