IAR REFERENCE

# Current situation

## KEY FIGURES

[1] Afdc.energy.gov, (2015). Alternative Fuels Data Center: Developing Infrastructure to Charge Plug-In Electric Vehicles. [online] Available at: http://www.afdc.energy.gov/fuels/electricity\_infrastructure.html [Accessed 6 May 2015].

[2] Amsterdam Round Tables; Mc Kinsey & Company, (2014). Evolution, Electric vehicles in Europe: gearing up for a new phase?. [online] Mc Kinsey & Company. Available at: http://www.mckinsey.com/~/media/McKinsey%20Offices/Netherlands/Latest%20thinking/PDFs/Electric-Vehicle-Report-EN\_AS%20FINAL.ashx [Accessed 5 May 2015].

[3] Auffhammer, M. and &rarr;, V. (2015). The Economics of EV Charging Stations. [online] Energyathaas.wordpress.com. Available at: https://energyathaas.wordpress.com/2015/03/16/the-economics-of-ev-charging-stations/ [Accessed 5 May 2015].

[4] Eaton.com, (2015). Electric Vehicle Solutions. [online] Available at: http://www.eaton.com/Eaton/ProductsServices/Electrical/Markets/AlternativeEnergy/ElectricVehicle/index.htm [Accessed 6 May 2015].

[5] Leader, E. (2015). EV Charging Station Market to Hit $947M by 2020. [online] Environmental Leader. Available at: http://www.environmentalleader.com/2014/07/18/ev-charging-station-market-to-hit-947m-by-2020/ [Accessed 5 May 2015].

[6] Thechargingpoint.com, (2015). Beginner's guide to electric cars. [online] Available at: http://www.thechargingpoint.com/beginners-guide.html [Accessed 29 Apr. 2015].

[7] Wikipedia, (2015). Charging station. [online] Available at: http://en.wikipedia.org/wiki/Charging\_station [Accessed 29 Apr. 2015].

[8] Zap-Map, (2015). Find charging points by charger type. [online] Available at: https://www.zap-map.com/charger-search/#y=51.51216/x=-0.11793/z=12 [Accessed 5 May 2015].

## THE ELECTRIC VEHICLE (EV) MARKET

[9] Global EV Outlook. (2013). 1st ed. [ebook] International Energy Agency. Available at: http://www.iea.org/publications/globalevoutlook\_2013.pdf [Accessed 13 Jun. 2015].

[10] Mock, P. and Yang, Z. (2014). *Driving Electrification, A Global Comparison of Fiscal Incentive Policy for Electric Vehicle*. 1st ed. [ebook] The International Council of Green Transportation. Available at: http://www.theicct.org/sites/default/files/publications/ICCT\_EV-fiscal-incentives\_20140506.pdf [Accessed 13 Jun. 2015].

[11] EV Market Outlook, State of Plug-in Electric Vehicle Market. (2013). 1st ed. [ebook] Electrification Coalition. Available at: http://www.pwc.com/en\_GX/gx/automotive/industry-publications-and-thought-leadership/assets/pwc-ec-state-of-pev-market-final.pdf [Accessed 13 Jun. 2015].

[12] Archer, G. (2014). *Electric Vehicle in 2013: a Progress Report*. 1st ed. [ebook] Transport and Environement; Available at:http://www.transportenvironment.org/sites/te/files/publications/Electric%20Vehicles%20in%202013\_full%20report\_final\_final.pdf [Accessed 13 Jun. 2015].

## EV CHARGING TECHNOLOGY

[13] andromedapower, (2015). Andromeda Power LLC. [online] Available at: http://www.andromedapower.com/ [Accessed 5 Jun. 2015].

[14] Blog.rmi.org, (2015). Pulling Back the Veil on EV Charging Station Costs. [online] Available at: http://blog.rmi.org/blog\_2014\_04\_29\_pulling\_back\_the\_veil\_on\_ev\_charging\_station\_costs [Accessed 5 Jun. 2015].

[15] Brown, N. and Brown, N. (2012). EV Maintenance Much Cheaper Than That Of ICE Vehicles. [online] CleanTechnica. Available at: http://cleantechnica.com/2012/12/18/ev-maintenance-much-cheaper-than-that-of-ice-vehicles/ [Accessed 5 Jun. 2015].

[16] Eaton.com, (2015). Electric Vehicle Solutions. [online] Available at: http://www.eaton.com/Eaton/ProductsServices/Electrical/Markets/AlternativeEnergy/ElectricVehicle/index.htm?wtredirect=www.eaton.com/plugin#tabs-2 [Accessed 5 Jun. 2015].

[17] Eenews.net, (2013). TRANSPORTATION: Charger standards fight confuses electric vehicle buyers, puts car company investments at risk. [online] Available at: http://www.eenews.net/stories/1059984950 [Accessed 5 Jun. 2015].

[18] Electricvehicle.ieee.org, (2015). Overview about Wireless Charging of Electrified Vehicles – basic principles and challenges - IEEE Transportation Electrification Initiative Web Portal. [online] Available at: http://electricvehicle.ieee.org/2014/06/26/overview-wireless-charging-electrified-vehicles-basic-principles-challenges/ [Accessed 5 Jun. 2015].

[19] Electricvehicle.ieee.org, (2015). Wirelessly Charge Electric Vehicles by Induction While Driving - IEEE Transportation Electrification Initiative Web Portal. [online] Available at: http://electricvehicle.ieee.org/2014/02/04/wirelessly-charge-electric-vehicles-by-induction-while-driving/ [Accessed 5 Jun. 2015].

[20] Evelectricity.com, (2015). Evelectricity :: Dedicated Electric Vehicle Meters. [online] Available at: http://www.evelectricity.com/ev-charging/dedicated-electric-vehicle-meters [Accessed 5 Jun. 2015].

[21] Evelectricity.com, (2015). Evelectricity :: Electric Vehicle Charging Costs. [online] Available at: http://www.evelectricity.com/ev-charging/electric-vehicle-charging-costs [Accessed 5 Jun. 2015].

[22] Ingeniøren, (2010). Et batteri til en elbil koster 60.000 kroner - Ingeniøren. [online] Available at: http://ing.dk/artikel/et-batteri-til-en-elbil-koster-60000-kroner-109887 [Accessed 5 Jun. 2015].

[23] Kurczewski, N. and Schwerdt, B. (2015). Tesla Motors Introduces Mobile App for Model S Sedan. [online] PluginCars.com. Available at: http://www.plugincars.com/tesla-motors-introduces-free-app-model-s-sedan-126356.html [Accessed 5 Jun. 2015].

[24] Parkinson, G. and Parkinson, G. (2014). How Battery Costs May Drop Below $100/kWh. [online] CleanTechnica. Available at: http://cleantechnica.com/2014/10/13/battery-costs-may-drop-100kwh/ [Accessed 5 Jun. 2015].

[25] Piccirilli Dorsey, I. (2013). 16th Annual Congressional Renewable Energy and Energy Efficiency EXPO + Forum | Briefing | EESI. [online] Eesi.org. Available at: http://www.eesi.org/briefings/view/16th-annual-congressional-renewable-energy-and-energy-efficiency-expo-forum?/expo2013 [Accessed 5 Jun. 2015].

[26] Plugless Power, (2015). Wireless Electric Vehicle Charging - Plugless Power by Evatran. [online] Available at: https://pluglesspower.com/ [Accessed 5 Jun. 2015].

[27] Plugless Power, (2015). Wireless Electric Vehicle Charging - Plugless Power by Evatran. [online] Available at: https://pluglesspower.com/ [Accessed 5 Jun. 2015].

[28] Szondy, D. (2015). BMW developing wireless inductive charging system for electric vehicles. [online] Gizmag.com. Available at: http://www.gizmag.com/bmw-induction-charging/32863/ [Accessed 5 Jun. 2015].

[29] Teslamotors.com, (2015). Powerwall | Tesla Home Battery. [online] Available at: http://www.teslamotors.com/powerwall [Accessed 5 Jun. 2015].

[30] Teslamotors.com, (2015). Powerwall | Tesla Home Battery. [online] Available at: http://www.teslamotors.com/powerwall [Accessed 5 Jun. 2015].

[31] TreeHugger, (2015). Electric Car Battery Prices on Track to Drop 70% by 2015, Says Energy Secretary. [online] Available at: http://www.treehugger.com/cars/electric-car-batteries-track-drop-price-70-2015-says-energy-secretary.html [Accessed 5 Jun. 2015].

[32] Wikipedia, (2015). Electric vehicle battery. [online] Available at: http://en.wikipedia.org/wiki/Electric\_vehicle\_battery#Battery\_cost [Accessed 5 Jun. 2015].

[33] Wikipedia, (2015). IBM 7030 Stretch. [online] Available at: http://en.wikipedia.org/wiki/IBM\_7030\_Stretch#cite\_note-FOOTNOTEEvans198413-4 [Accessed 7 Jun. 2015].

[34] YouTube, (2015). Dynamic wireless charging. [online] Available at: https://www.youtube.com/watch?v=h6jKvZgkSFE [Accessed 5 Jun. 2015].

[35] YouTube, (2015). Wireless Power Transfer. [online] Available at: https://www.youtube.com/watch?v=Gw6XtzEOlyI [Accessed 5 Jun. 2015].

## ARCHITECTURE AND ZONING

[36] Bakker, J. (2011). *Contesting range anxiety: The role of electric vehicle charging infrastructure in the transportation transition*. 1st ed. [ebook] Eindhoven: University of Technology Eindhoven. Available at: http://alexandria.tue.nl/extra2/afstversl/tm/Bakker\_2011.pdf [Accessed 31 May 2015].

[37] Franke, T. and Krems, J. (2013). *What drives range preferences in electric vehicle users?*.1st ed. [ebook] Transport Policy. Available at: https://www.tu-chemnitz.de/hsw/psychologie/professuren/allpsy1/pdf/Franke-Krems\_2013\_PrefRange-AAM.pdf [Accessed 31 May 2015].

[38] Haugneland, P. (2014). *Norwegian electric car user experiences 2014*. 1st ed. [ebook] European Electric Vehicle Congress, Brussels, Belgium, December 2014. Available at: http://elbil.no/elbilforeningen/dokumentarkiv/finish/10-dokumenter/382-norwegian-electric-car-user-experiences-2014 [Accessed 31 May 2015].

[39] Knutsen, D. and Willén, O. (2013). *A study of electric vehicle charging patterns and range anxiety*.1st ed. [ebook] Uppsala Universitet. Available at: http://www.diva-portal.org/smash/get/diva2:626048/FULLTEXT01.pdf [Accessed 2 Jun. 2015].

[40] Mayfield, D. (2012). *Site Design for Electric Vehicle Charging Stations*.1st ed. [ebook] Sustainable Transportation Strategies. Available at: http://publicservice.vermont.gov/sites/psd/files/Quick\_Links/Transportation\_LandUse/Goal1/NYSERDA%20Site-Design-for-EV-Charging-Stations\_7%2019%2012.pdf [Accessed 31 May 2015].

[41] Pearre, N., Kempton, W., Guensler, R. and Elango, V. (2011). *Electric vehicles: How much range is required for a day's driving?*.1st ed. [ebook] Transportation Research Part C, p.1174. Available at: http://www.sciencedirect.com/science/article/pii/S0968090X1100012X [Accessed 31 May 2015].

[42] Schroeder, A. and Traber, T. (2012). *The economics of fast charging infrastructure for electric vehicles*.1st ed. [ebook] Energy Policy. Available at: http://www.sciencedirect.com/science/article/pii/S0301421511010470 [Accessed 31 May 2015].

[43] What drives California's plug-in Electric vehicle owners?. (2013). 1st ed. [ebook] Available at: http://energycenter.org/clean-vehicle-rebate-project/vehicle-owner-survey/feb-2014-survey [Accessed 1 Jun. 2015].

[44] Zhang, N. (2014). *Allocation Strategy for Tesla's Charging Stations in Beijing CBD*. 1st ed. [ebook] Available at: http://www.barrywaite.org/gis/projects/fall-2014/Zhang-Nuobei-PPD%20631%20GIS%20-%20Revised.pdf [Accessed 31 May 2015].

## LAWS & REGULATION

[45] Acea.be, (2015). Overview of incentives for buying electric vehicles - ACEA - European Automobile Manufacturer's Association. [online] Available at: http://www.acea.be/publications/article/overview-of-incentives-for-buying-electric-vehicles [Accessed 8 Jun. 2015].

[46] ELECTROMOBILITY IN THE NETHERLANDS | Highlights 2014. (2015). [online] Available at: http://www.rvo.nl/sites/default/files/2015/04/Electromobility%20in%20the%20Netherlands%20Highlights%202014.pdf [Accessed 8 Jun. 2015].

[47] McPartland, B., McPartland, J. and Hartwell, F. (2009). National Electrical Code 2008 handbook. New York, N.Y.: McGraw-Hill.

[48] San Román, T., Momber, I., Abbad, M. and Sánchez Miralles, Á. (2011). Regulatory framework and business models for charging plug-in electric vehicles: Infrastructure, agents, and commercial relationships. Energy Policy, 39(10), pp.6360-6375.

# CASE STUDIES

## CASE STUDY: CALIFORNIA

[49] andromedapower, (2015). *Andromeda Power LLC*. [online] Available at: http://www.andromedapower.com/ [Accessed 5 Jun. 2015].

[50] Evtronic.com, (2015). *La charge rapide*. [online] Available at: http://www.evtronic.com/page7/page9/index.html [Accessed 5 Jun. 2015].

[51] Eaton.com, (2015).*Electric Vehicle Solutions*. [online] Available at: http://www.eaton.com/Eaton/ProductsServices/Electrical/Markets/AlternativeEnergy/ElectricVehicle/index.htm?wtredirect=www.eaton.com/plugin#tabs-2 [Accessed 5 Jun. 2015].

[52] Piccirilli Dorsey, I. (2013). *16th Annual Congressional Renewable Energy and Energy Efficiency EXPO + Forum | Briefing | EESI*. [online] Eesi.org. Available at: http://www.eesi.org/briefings/view/16th-annual-congressional-renewable-energy-and-energy-efficiency-expo-forum?/expo2013 [Accessed 5 Jun. 2015].

[53] Kurczewski, N. and Schwerdt, B. (2015).*Tesla Motors Introduces Mobile App for Model S Sedan*. [online] PluginCars.com. Available at: http://www.plugincars.com/tesla-motors-introduces-free-app-model-s-sedan-126356.html [Accessed 5 Jun. 2015].

[54] Electricvehicle.ieee.org, (2015).*Overview about Wireless Charging of Electrified Vehicles – basic principles and challenges - IEEE Transportation Electrification Initiative Web Portal*. [online] Available at: http://electricvehicle.ieee.org/2014/06/26/overview-wireless-charging-electrified-vehicles-basic-principles-challenges/ [Accessed 5 Jun. 2015].

[55] Plugless Power, (2015).*Wireless Electric Vehicle Charging - Plugless Power by Evatran*. [online] Available at: https://pluglesspower.com/ [Accessed 5 Jun. 2015].

[56] YouTube, (2015).*Wireless Power Transfer*. [online] Available at: https://www.youtube.com/watch?v=Gw6XtzEOlyI [Accessed 5 Jun. 2015].

[57] YouTube, (2015).*Dynamic wireless charging*. [online] Available at: https://www.youtube.com/watch?v=h6jKvZgkSFE [Accessed 5 Jun. 2015].

[58] Eenews.net, (2013).*TRANSPORTATION: Charger standards fight confuses electric vehicle buyers, puts car company investments at risk*. [online] Available at: http://www.eenews.net/stories/1059984950 [Accessed 5 Jun. 2015].

## CASE STUDY: ESTONIA

[59] ELMO, (2015). *Country Wide Quick Charging Network*. [online] Available at: http://elmo.ee/charging-network/ [Accessed 13 Jun. 2015].

[60] Eight Reasons Why ABB Loves Estonia. (2015). [online] Available at: http://www.konkurents.ee/12154/ [Accessed 13 Jun. 2015].

[61] Rajalo, S. (2013). *ELMO-Estonian Electro Mobility Program Short Overview*. 1st ed. [ebook] TEEL TULEVIKKU. Available at: http://ec.europa.eu/enterprise/policies/innovation/files/public-procurement/krakow-2013-rajalo\_en.pdf [Accessed 13 Jun. 2015].

[62] Electric Vehicle in Europe: gearing up for a new phase?. (2014). 1st ed. [ebook] Amsterdam Roundtable Foundation and Mckinsey & Company the Netherlands. Available at: http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CB8QFjAAahUKEwifxerJkIzGAhWLDpIKHTZKAMY&url=http%3A%2F%2Fwww.mckinsey.com%2F~%2Fmedia%2FMcKinsey%2520Offices%2FNetherlands%2FLatest%2520thinking%2FPDFs%2FElectric-Vehicle-Report-EN\_AS%2520FINAL.ashx&ei=Wdl7Vd-0EYudyAS2lIGwDA&usg=AFQjCNHD4p87eDheWXdnekdbp2Un1A7XiA [Accessed 13 Jun. 2015].

[63] Masson, L. (2013). *Estonia Vies for EV Leadership in Europe*. [online] Plugincars. Available at: http://www.plugincars.com/estonia-another-ev-leader-northern-europe-126505.html [Accessed 13 Jun. 2015].

## CASE STUDY: CHARGEPOINT

[63] Chargepoint.com, (2015). Electric Vehicle Charging By ChargePoint. [online] Available at: http://www.chargepoint.com/ [Accessed 8 Jun. 2015].

[64] ltd, c. (2015). CHARGEPOINT TECHNOLOGY HOLDINGS LIMITED. [online] Company Check. Available at: http://fr.companycheck.co.uk/company/06712991/CHARGEPOINT-TECHNOLOGY-HOLDINGS-LIMITED/financial-accounts [Accessed 8 Jun. 2015].

[65] Patents.justia.com, (2015). Patents by Assignee Chargepoint, Inc. - Justia Patents Database. [online] Available at: http://patents.justia.com/assignee/chargepoint-inc [Accessed 8 Jun. 2015].

## CASE STUDY: CHADEMO

[66] Avere-france.org, (2015). *CHAdeMO parmi les standards européens de charge rapide DC*. [online] Available at: http://www.avere-france.org/Site/Article/?article\_id=5974&from\_espace\_adherent=0 [Accessed 13 May 2015].

[67] CHAdeMO brochure. (2015). 1st ed. [ebook] CHAdeMO, pp.2,3,5,6. Available at: http://www.chademo.com/wp/wp-content/uploads/2015/03/20150313FinalEnglishBrochure.pdf [Accessed 13 May 2015].

[68] Chademo.com, (2015). *CHAdeMO Association*. [online] Available at: http://www.chademo.com [Accessed 13 May 2015].

[69] Charger installation, legislation and CHAdeMO activities in Europe.(2014). 1st ed. [ebook] CHAdeMO, p.7. Available at: http://www.chademo.com/wp/wp-content/uploads/2014/05/CHAdeMOEuropeActivities\_EN.pdf [Accessed 13 May 2015].

[70] DC Quick charging - FEA Comparison Study (25kW vs 50kW). (2012). 1st ed. [ebook] Fuji Electric Corp., p.5. Available at: http://www.americas.fujielectric.com/sites/default/files/DC%20Quick%20Charging%20-%20FEA%20Comparison%20Study%20%20(25kW%20vs%20%2050kW)%207-3-12.pdf [Accessed 13 May 2015].

[71] Member list.(2015). 1st ed. [ebook] CHAdeMO. Available at: http://www.chademo.com/pdf/memberlist.pdf [Accessed 13 May 2015].

[72] Self.gutenberg.org, (n.d.). *CHAdeMO*. [online] Available at: http://self.gutenberg.org/articles/CHAdeMO#References [Accessed 13 May 2015].

[73] Weiller, C. and Neely, A. (2014). Business Models for Electric Vehicles: Lessons from the Japanese EV Ecosystem. *Lecture Notes in Mobility, Electric Vehicle Business Models*, pp.199,200.

# MOST RELEVANT FUTURE FACTORS

## ENERGY

[74] ALLAIN, R. (2015). *IS AN INFINITE AMOUNT OF OIL ENOUGHT?*. [online] Available at: http://www.wired.com/2015/02/infinite-amount-oil-enough/ [Accessed 13 Jun. 2015].

[75] International Energy Agency, (2015). *World Energy Outlook 2015*. [online] Available at: http://www.worldenergyoutlook.org/ [Accessed 13 Jun. 2015].

[76] Crude Oil Price Forecast: Long Term 2015 to 2020|Data and Charts. (2015). [online] Available at: http://knoema.com/yxptpab/crude-oil-price-forecast-long-term-2015-to-2025-data-and-charts [Accessed 13 Jun. 2015].

[77] SAVER, J. (2014). *Green Energy Versus Brown Energy: Cost and Investment*. [online] Available at: http://www.freemoneywisdom.com/green-energy-versus-brown-energy-cost-and-investment/ [Accessed 13 Jun. 2015].

[78] Average Electricity Prices Around the World:$/KWh. (2014). [online] Available at: http://shrinkthatfootprint.com/average-electricity-prices-kwh [Accessed 13 Jun. 2015].

## GOVERNMENT ACTION

[79] Acea.be, (2015). Overview of tax incentives for electric vehicles in the EU, 2014. [online] Available at: http://www.acea.be/uploads/publications/Electric\_vehicles\_overview\_\_2014.pdf [Accessed 8 Jun. 2015].

|80] Blokland, H. (2015). The Rise of EV & Hybrid Cars: Electric vehicles in Europe: gearing up for a new phase?. [online] Foresight Investor. Available at: http://foresightinvestor.com/articles/554942-startfragment-the-rise-of-ev-amp-hybrid-cars-endfragment-nbsp-nbsp-br [Accessed 8 Jun. 2015].

|81] Tuisk, J. (2015). FROM INFRASTRUCTURE TO ECO-SYSTEM: EV CAR SHARING IN ESTONIA. [online] Available at: http://www.chademo.com/wp/wp-content/uploads/pdf/CHAdeMO\_Meeting\_112013\_NOWInnovations.pdf.

## AUTHORIZATION

|82] Bornerecharge.fr, (n.d.). *Borne Recharge Service*. [online] Available at: http://www.bornerecharge.fr/ [Accessed 3 Jun. 2015].

|83] Chargepoint.com, (n.d.). *Electric Vehicle Charging By ChargePoint*. [online] Available at: http://www.chargepoint.com/ [Accessed 3 Jun. 2015].

|84] Chargepoint.com, (n.d.). *Residents - ChargePoint*. [online] Available at: http://www.chargepoint.com/multifamily-residents [Accessed 3 Jun. 2015].

|85] Electric vehicle charging station guidebook. (2014). 1st ed. [ebook] Winooski: Vermont Energy Investment Corporation. Available at: http://www.driveelectricvt.com/docs/default-source/default-document-library/electric-vehicle-charging-station-guidebook-.pdf?sfvrsn=0 [Accessed 3 Jun. 2015].

|86] My.teslamotors.com, (2013). *Charging at Apartments | Forums | Tesla Motors*. [online] Available at: http://my.teslamotors.com/fr\_CA/forum/forums/charging-apartments [Accessed 3 Jun. 2015].

|87] San Roman, T., Momber, I., RivierAbbad, M. and Miralles, A. (2011). *Regulatory framework and business models for charging plug-in electric vehicles*. 1st ed. [ebook] Madrid: Energy Policy. Available at: http://www.sciencedirect.com/science/article/pii/S0301421511005696 [Accessed 3 Jun. 2015].

|88] Zhang, N. (2014). *Allocation strategy for Tesla's charging stations in Beijing CBD*. 1st ed. [ebook] Available at: http://www.barrywaite.org/gis/projects/fall-2014/Zhang-Nuobei-PPD%20631%20GIS%20-%20Revised.pdf [Accessed 3 Jun. 2015].

## PAYMENT SYSTEMS

|89] Chargepoint.com, (n.d.). *Electric Vehicle Charging By ChargePoint*.[online] Available at: http://www.chargepoint.com/ [Accessed 3 Jun. 2015].

|90] Doom, J. (2013). *Electric Car Owners Face Confusion at the Charging Station*. [online] Businessweek.com. Available at: http://www.bloomberg.com/bw/articles/2013-05-30/electric-car-owners-face-confusion-at-the-charging-station [Accessed 3 Jun. 2015].

|91] Evtronic.com, (2015). *La charge rapide*. [online] Available at: http://www.evtronic.com/page7/page9/index.html [Accessed 5 Jun. 2015].

|92] Greentechmedia.com, (2013). *One Payment System for All EV Charging? : Greentech Media*. [online] Available at: http://www.greentechmedia.com/articles/read/one-pay-system-for-all-ev-charging [Accessed 3 Jun. 2015].

|93] Haugneland, P. (2014). *Norwegian Electric Car User Experiences 2014*.1st ed. [ebook] Oslo. Available at: http://elbil.no/elbilforeningen/dokumentarkiv/finish/10-dokumenter/382-norwegian-electric-car-user-experiences-2014 [Accessed 3 Jun. 2015].

|94] Haugneland, P. and HavardKvisle, H. (2013). *Norwegian Electric Car User Experience*.1st ed. [ebook] Barcelona. Available at: https://www.tekes.fi/contentassets/c2e729551a964321958a0c6c6c33b45f/norwegian\_electric\_car\_user\_experiences\_-\_evs27\_paper.pdf [Accessed 3 Jun. 2015].

|95] Nakamoto, S. (n.d.). *Bitcoin: a peer to peer electronic cash system*. 1st ed. [ebook] Available at: https://bitcoin.org/bitcoin.pdf [Accessed 3 Jun. 2015].

|96] Plug-in electric vehicle handbook.(2012). 1st ed. [ebook] US department of energy. Available at: http://www.afdc.energy.gov/pdfs/51227.pdf [Accessed 3 Jun. 2015].

|97] PlugSurfing, (n.d.). *Just Charge - PlugSurfing*. [online] Available at: https://www.plugsurfing.com/ [Accessed 3 Jun. 2015].

|98] Swan, M. (n.d.). *Blockchain Thinking: The Brain as a DAC*. 1st ed. [ebook] London. Available at: http://www.melanieswan.com/documents/BlockchainThinking\_SWAN.pdf [Accessed 3 Jun. 2015].

## THE FUTURE TECHNOLOGY

|99] andromedapower, (2015). Andromeda Power LLC. [online] Available at: http://www.andromedapower.com/ [Accessed 5 Jun. 2015].

|100] Blog.rmi.org, (2015). Pulling Back the Veil on EV Charging Station Costs. [online] Available at: http://blog.rmi.org/blog\_2014\_04\_29\_pulling\_back\_the\_veil\_on\_ev\_charging\_station\_costs [Accessed 5 Jun. 2015].

|101] Brown, N. and Brown, N. (2012). EV Maintenance Much Cheaper Than That Of ICE Vehicles. [online] CleanTechnica. Available at: http://cleantechnica.com/2012/12/18/ev-maintenance-much-cheaper-than-that-of-ice-vehicles/ [Accessed 5 Jun. 2015].

|102] Eaton.com, (2015). Electric Vehicle Solutions. [online] Available at: http://www.eaton.com/Eaton/ProductsServices/Electrical/Markets/AlternativeEnergy/ElectricVehicle/index.htm?wtredirect=www.eaton.com/plugin#tabs-2 [Accessed 5 Jun. 2015].

|103] Eenews.net, (2013). TRANSPORTATION: Charger standards fight confuses electric vehicle buyers, puts car company investments at risk. [online] Available at: http://www.eenews.net/stories/1059984950 [Accessed 5 Jun. 2015].

|104] Electricvehicle.ieee.org, (2015). Overview about Wireless Charging of Electrified Vehicles – basic principles and challenges - IEEE Transportation Electrification Initiative Web Portal. [online] Available at: http://electricvehicle.ieee.org/2014/06/26/overview-wireless-charging-electrified-vehicles-basic-principles-challenges/ [Accessed 5 Jun. 2015].

|105] Electricvehicle.ieee.org, (2015). Wirelessly Charge Electric Vehicles by Induction While Driving - IEEE Transportation Electrification Initiative Web Portal. [online] Available at: http://electricvehicle.ieee.org/2014/02/04/wirelessly-charge-electric-vehicles-by-induction-while-driving/ [Accessed 5 Jun. 2015].

|106] Evelectricity.com, (2015). Evelectricity :: Dedicated Electric Vehicle Meters. [online] Available at: http://www.evelectricity.com/ev-charging/dedicated-electric-vehicle-meters [Accessed 5 Jun. 2015].

|107] Evelectricity.com, (2015). Evelectricity :: Electric Vehicle Charging Costs. [online] Available at: http://www.evelectricity.com/ev-charging/electric-vehicle-charging-costs [Accessed 5 Jun. 2015].

|108] Ingeniøren, (2010). Et batteri til en elbil koster 60.000 kroner - Ingeniøren. [online] Available at: http://ing.dk/artikel/et-batteri-til-en-elbil-koster-60000-kroner-109887 [Accessed 5 Jun. 2015].

|109] Kurczewski, N. and Schwerdt, B. (2015). Tesla Motors Introduces Mobile App for Model S Sedan. [online] PluginCars.com. Available at: http://www.plugincars.com/tesla-motors-introduces-free-app-model-s-sedan-126356.html [Accessed 5 Jun. 2015].

|110] Parkinson, G. and Parkinson, G. (2014). How Battery Costs May Drop Below $100/kWh. [online] CleanTechnica. Available at: http://cleantechnica.com/2014/10/13/battery-costs-may-drop-100kwh/ [Accessed 5 Jun. 2015].

|111] Piccirilli Dorsey, I. (2013). 16th Annual Congressional Renewable Energy and Energy Efficiency EXPO + Forum | Briefing | EESI. [online] Eesi.org. Available at: http://www.eesi.org/briefings/view/16th-annual-congressional-renewable-energy-and-energy-efficiency-expo-forum?/expo2013 [Accessed 5 Jun. 2015].

|112] Plugless Power, (2015). Wireless Electric Vehicle Charging - Plugless Power by Evatran. [online] Available at: https://pluglesspower.com/ [Accessed 5 Jun. 2015].

|113] Plugless Power, (2015). Wireless Electric Vehicle Charging - Plugless Power by Evatran. [online] Available at: https://pluglesspower.com/ [Accessed 5 Jun. 2015].

|114] Szondy, D. (2015). BMW developing wireless inductive charging system for electric vehicles. [online] Gizmag.com. Available at: http://www.gizmag.com/bmw-induction-charging/32863/ [Accessed 5 Jun. 2015].

|115] Teslamotors.com, (2015). Powerwall | Tesla Home Battery. [online] Available at: http://www.teslamotors.com/powerwall [Accessed 5 Jun. 2015].

|116] Teslamotors.com, (2015). Powerwall | Tesla Home Battery. [online] Available at: http://www.teslamotors.com/powerwall [Accessed 5 Jun. 2015].

|117] TreeHugger, (2015). Electric Car Battery Prices on Track to Drop 70% by 2015, Says Energy Secretary. [online] Available at: http://www.treehugger.com/cars/electric-car-batteries-track-drop-price-70-2015-says-energy-secretary.html [Accessed 5 Jun. 2015].

|118] Wikipedia, (2015). Electric vehicle battery. [online] Available at: http://en.wikipedia.org/wiki/Electric\_vehicle\_battery#Battery\_cost [Accessed 5 Jun. 2015].

|119] Wikipedia, (2015). IBM 7030 Stretch. [online] Available at: http://en.wikipedia.org/wiki/IBM\_7030\_Stretch#cite\_note-FOOTNOTEEvans198413-4 [Accessed 7 Jun. 2015].

|120] YouTube, (2015). Dynamic wireless charging. [online] Available at: https://www.youtube.com/watch?v=h6jKvZgkSFE [Accessed 5 Jun. 2015].

|121] YouTube, (2015). Wireless Power Transfer. [online] Available at: https://www.youtube.com/watch?v=Gw6XtzEOlyI [Accessed 5 Jun. 2015].

## TECHNOLOGICAL FACTORS

|122] Bethel, E., Panama, J. and Luo, S. (2010). *SINOLATIN | NOTAS TÉCNICAS | THE PREMIER INVESTMENT PLATFORM BETWEEN CHINA AND LATIN AMERICA|CHINA|LATIN|ARGENTINA|BOLIVIA|BRAZIL|CHILE|COLOMBIA|ECUADOR|FREACH GUIANA|GUYANA|PARAGURY|PERU|SURINAME|URUGUARY|VENEZUELA*. [online] Sinolatincapital.cn. Available at: http://www.sinolatincapital.cn/sp/show\_white.asp?id=264 [Accessed 3 Jun. 2015].

|123] Electric vehicles in Europe.(2014). 1st ed. [ebook] McKinsey. Available at: http://www.mckinsey.com/search.aspx?q=electric+vehicles+in+europe [Accessed 3 Jun. 2015].

|124] Goonan, T. (2012). *Lithium use in batteries*. 1st ed. [ebook] Reston Virginia: US Geological Survey, pp.9,11. Available at: http://pubs.usgs.gov/circ/1371/pdf/circ1371\_508.pdf [Accessed 3 Jun. 2015].

|125] Lamire, F. (2015). *themavision.fr - La baisse rapide du prix des batteries Lithium Ion et la structuration de la filière*. [online] Themavision.fr. Available at: http://www.themavision.fr/jcms/rw\_438628/la-baisse-rapide-du-prix-des-batteries-lithium-ion-et-la-structuration-de-la-filiere [Accessed 3 Jun. 2015].

|127] The importance of both battery electric and hydrogen fuel cell electric vehicles. (2014). 1st ed. [ebook] Available at: http://www.ucsusa.org/sites/default/files/attach/2014/11/importance-bev-hfcev-fact-sheet.pdf [Accessed 3 Jun. 2015].

|128] The trouble with Lithium. (2008). 2nd ed. [ebook] Martainville: Meridian International Research. Available at: http://www.meridian-int-res.com/Projects/Lithium\_Microscope.pdf [Accessed 3 Jun. 2015].

|129] Zsw-bw.de, (2015). *ZSW: Startseite*. [online] Available at: http://www.zsw-bw.de/ [Accessed 3 Jun. 2015].

## FACTORS IN ARCHITECTURE AND ZONING

|130] Aoki, H. (2014). *Best practices from Japan*. 1st ed. [ebook] Munich: CHAdeMO association. Available at: http://www.chademo.com/wp/wp-content/uploads/2014/10/Japan.pdf [Accessed 3 Jun. 2015].

|131 Chademo.com, (2015). *Role of fast charging — CHAdeMO Association*. [online] Available at: http://www.chademo.com/wp/role/charging/ [Accessed 3 Jun. 2015].

|132] Characteristics of CHAdeMO quick charging system.(n.d.). 1st ed. [ebook] Available at: http://chademo.com/pdf/characteristics.pdf [Accessed 3 Jun. 2015].

|133] Global EV outlook. (2013). 1st ed. [ebook] Paris: International Energy Agency. Available at: http://www.iea.org/publications/globalevoutlook\_2013.pdf [Accessed 3 Jun. 2015].

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