

CURRICULUM VITAE

Personalia	Name	H.D. Stokman
	Nickname	Harry
	Date of birth	16-01-1963
	Birthplace	Aalsmeer
	Email	harry@dc.expert

Competencies	Market and application knowledge for DC systems, high current technology, power electronics, embedded software.
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Other activities	Chairman IEC workgroup AhG (LVDC) from September 2017. Member of IEC System Committee LVDC. Member of IEC (International Electrotechnical Commission) Workgroup SEG 4 LVDC and SEG 6 Micro Grids. Chairman of the NEN 1010 DC standards Workgroup (NEC 64). Member of CIGRÉ, active in international workgroup MVDC Distribution. Chairman and founder of the DC Foundation. Member of the National Working Group Infrastructure D66. Board member of the Committee on Professional field, The Hague University of Applied Sciences.
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"It is my belief that DC is the fundament of a sustainable energy transition."

Harry Stokman is European leading expert on DC and has been active as an entrepreneur in the DC market for more than 30 years. With his team of developers, he has developed and realized a smart DC system for a safe, reliable and sustainable energy grid on direct current.

He plays a leading role in many innovations in The Netherlands and abroad. He is also active in the standardization of direct current in the NEN and in the International Electrotechnical committee (IEC). The practical guidelines NPR9090 originated in 2018 from his NEN1010 DC Standards Workgroup (NEC64). For his significant contribution to standardization, he received the 1906 Award from the IEC in 2018.

Harry Stokman puts a lot of energy into promoting DC in education. He participates in developing study programs in Electrical Engineering for universities. Politically, he is nationally active in a working group on energy infrastructure.

2018	DC Power Parking Airport Schiphol Lelystad, including Public Lighting system for 4000 parking places connected to the same DC grid. Concept A16 Tunnel Rotterdam based on a DC grid. Project is awarded for realization.	Concept for power long stay parking for 600 charging points starting with 104 chargers, connected to a DC grid, fed by Solar system and powered by the DC grid. Realized 300 Public Lighting poles for parking space. 1.3km tunnel for the highway in Rotterdam, 500kW installation powered by a DC infrastructure, including battery system for backup and large solar sound wall. For sustainable requirements.
2017	DC system in Circl of ABN AMRO Bank IEC workgroup AhG LVDC IEC SyC LVDC Amsterdam conference IEC TS61200 Commission for LVDC grids	Delivered smart DC system in circular office building. New IEC workgroup established with Harry Stokman as chairman. Co-organized IEC conference and IEC meeting in September. Writing Technical standards for LVDC installations
2016	DC system in Circl of ABN AMRO Bank DC system in PULSE - Delft University DC Foundation (worldwide)	Start implementation of smart DC system in office building. Start implementation of smart DC system in utility building. Founded promote and realise DC in the world.
2015	USB-C IEC SEG 6 Micro Grids DOE-DC project DC Flexhouse project	Cooperation with ABB to develop a standard USB-C wall socket. Participation in research standardization of DC-standards worldwide. Scaling up DC grid in horticulture i.c.w. PV farm and CHP. Converting existing houses to a DC grid.
2014	Book Future of DC in the Netherlands Public lighting on DC smart grids De Stroomversnelling DC Congress at Delft University	Published in cooperation with Ministry of Economic Affairs, DC Foundation. Implementation of DC-lighting on DC smart grids in 4 municipalities. Smart DC system for DC smart grid in houses. Showcasing DC projects by partners in cooperation with Direct Current BV.
2013	Current/OS Current Router Government Building Services NEN 1010 (NEC 64) DC Workgroup Public lighting on DC	Design and development of operating system for smart DC system. Design and development of DC system security and management modules. Participation in think tank of Government Building Services in innovations. Workgroup founded to give DC standards the right place. In collaboration with ELEQ, CityTec, Joulz and Lightwell.
2012	Concept of Security in DC DC and horticulture lighting Meermakers, Haarlemmermeer Technical University of Delft SIA-RAAK DC in education Nupharo, Czech Green Deal from the Government	Development of the Concept for How to Make DC Safe, a dogma killer. First demonstration of growth light on DC 51 lamps of 600W in new DC infrastructure, placed at Horticulture Vreeken in Haarlemmermeer. Co-founding leasing company for horticulture for implementing DC. Co-founding the DC Department at the TU Delft. Co-creating DC course in higher technical education. Cooperation in Industrial Park on DC and DC smart grids. For facilitation DC Project Haarlemmermeer DC=DeCent.
2011	Green Campus, Technical Univ. Delft IPIN (program of the Government) DC HPS driver	Development of concept of DC smart grid on campus. Development of testing area for DC smart grid. Start of development of a DC driver for growth light.
2010	Haarlemmermeer and Schiphol HTAS program Research DC voltage Siemens en Joulz Charger for 100% EV (Golf) DC in the Horticulture DC Foundation	Master plan DC vision: Schiphol aircraft stands on DC and horticulture on DC connected with datacenters. Start development of drive train for 100% electric cars. Research to establish the choice of voltage in low voltage DC grids. Siemens en Joulz become partners in our DC mission. Development of charger for the electric car with Essent and Enexis. Start project with co-sponsorship by Rabobank, Joulz, Product Horticulture. Founding the DC Foundation to guard DC standards, to monitor the DC image and the interest on DC education.
2009	Direct Current B.V. (Ltd), Aalsmeer Netherlands Gets New Energy	Owner and founder of company with the mission to make DC possible. Cooperation width political parties to implement DC in vision document.
2007	Hellas Rectifiers B.V., Eindhoven	Owner and founder of new company rectifiers manufacturer.
2006	Black page	Wrong choice of business partner led to bankruptcy of company Hellas BV.
2005	Master plan DC	Establishing Master Plan DC Vision: DC is the Future!
1998	Hellas B.V., Aalsmeer	Owner / acquisition of a manufacturer of rectifiers.
1988	HS Engineering, Amsterdam HTS-A, Amsterdam	Owner / founding company in designing rectifiers. Graduated in Electrical Engineering.
1977	Goal at the age of 14	I want to be a rectifier manufacturer.