

# VAN HOOOL | Fuel Cell

Fuel cell Electric Bus : It works and it's ready !



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# Van Hool Fuel Cell Bus Reference Projects





Fuel cell bus operationally the best zero-emission solution for ranges of + 200 km

	Diesel Bus	Battery E- Bus Plug-in	Battery E- Bus opportunity charging	Fuel cell E-Bus
Range + 300 km	●	●	●	●
Fueling time	●	●	●	●
Incity Infrastructure	●	●	●	●
Zero Emission	●	●	●	●

# Range of BRT solutions on electric platform extended to Fuel Cell



## EXQUI.CITY

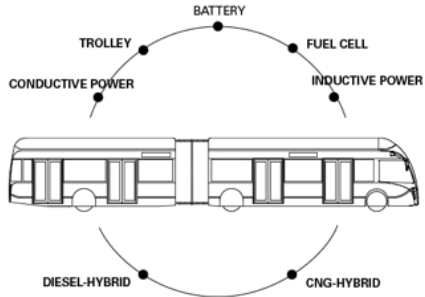
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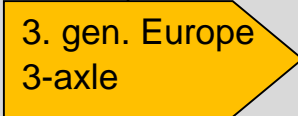



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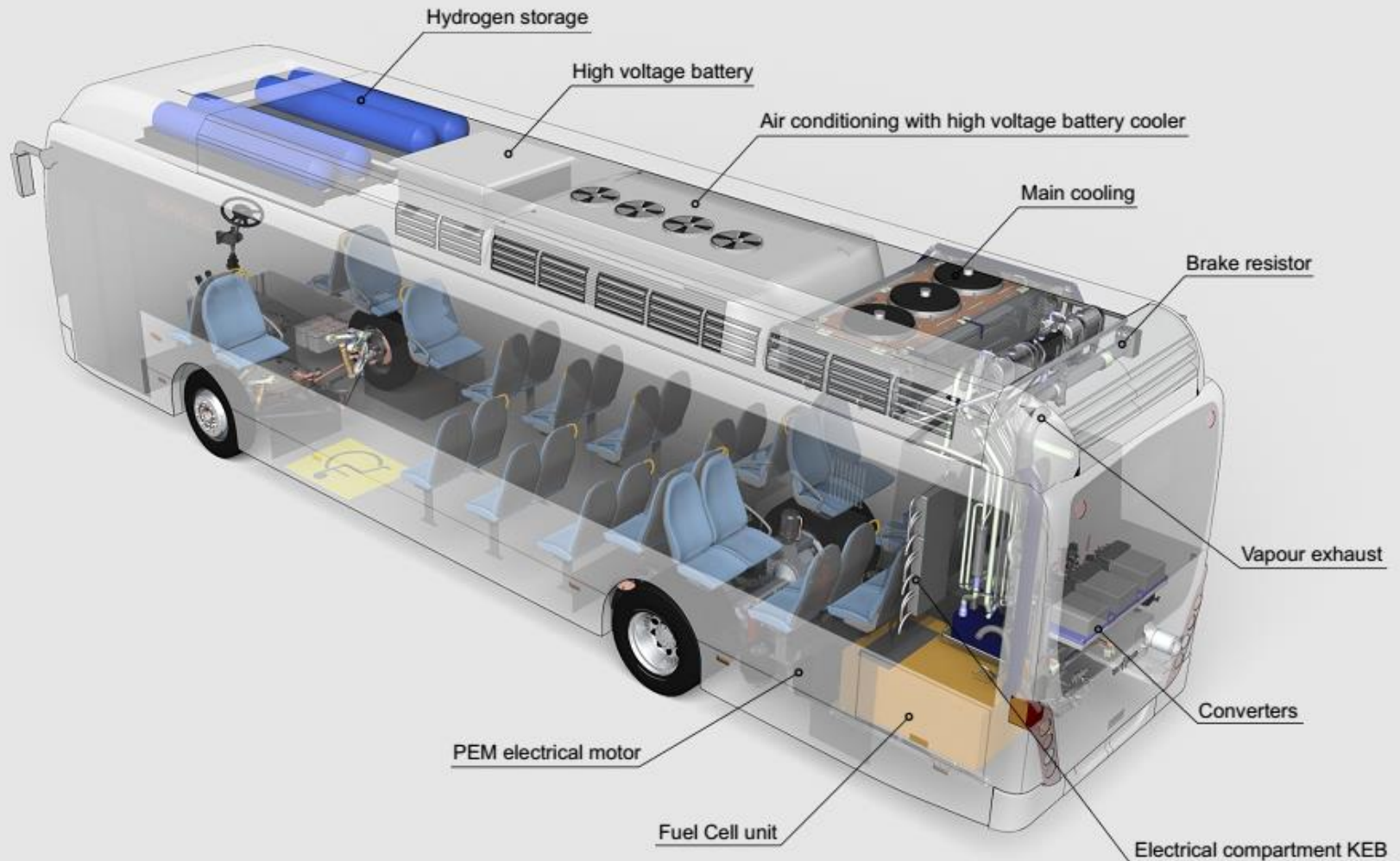
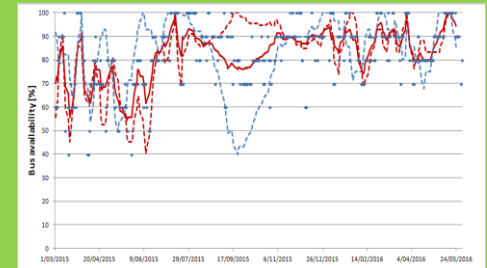


### MULTI-PROPULSION PLATFORM



Time >	2005-06	2007	2008-09	2011	2012-15	2016+
<b>Series</b>				CHIC	High VLOCity HyTransit Cologne	3EMotion JIVE
1	 <p>1. gen. USA 2-axle</p>					
2		 <p>1. gen. Europe 3-axle</p>				
3			 <p>2. gen. USA. 2-axle</p>			
4				 <p>2. gen. Europe 3-axle</p>		
5					 <p>3. gen. Europe 3-axle</p>	
6						 <p>3. gen. Europe 2-axle</p>
<b>Number Buses</b>	5	16	1	5	22	21
<b>Fuel Cell</b>	UTC 1. Gen	UTC 1. Gen	UTC 2. Gen	Ballard HD6	Ballard HD6+	Ballard HD7
<b>Battery</b>	Ni-C-Cl Zebra	Ni-M-H	Li-Ion Enerdel	Li-Ion Enerdel	LTO Actia	LTO Actia
<b>Motor</b>	Siemens 2x85kW Elfa I	Siemens 2x 85kW Elfa I	Siemens 2x85kW Elfa I	Siemens 2x85kW Elfa I	Siemens 2x85kW Elfa II	Siemens PEM Elfa II+

Optimised Integration  
Standardised components  
Scale economies  
European service organisation  
Monitoring of overall fleet



Our solutions.



Product  
Offering  
Latest  
Generation  
Fuel Cell  
Buses  
Van Hool  
A300  
Series

	A330 FC 12	A330 FC 13	AG300 FC 18
length [mm]	11995	13005	17980
width [mm]	2550	2550	2550
height [mm]	3420	3420	3420
access doors	2	2/3	3/4
seating capacity	35	41/36	39/34
boarding height [mm]	340	340	340
standing height [mm]	2320	2320	2320
wheelbase [mm]	5790	5110+1690	5790+6250
axles	2	3	3
front overhang [mm]	2715	2715	2450
rear overhang [mm]	3490	3490	3490
approach angle	7°7'	7°7'	7°7'
departure angle	7°7'	7°7'	7°7'
turning radius [mm]	10800	12400	12000
tires	6x 275/70-R22.5	8x 275/70-R22.5	8x 275/70-R22.5 4x 275/70-R22.5





We Thank you for your kind Attention