





The BUS NON STOP project	4	
The project		
 The BUS-NO-STOP project is a zero emission transportation system which involves a radical change of perspective regarding energy supply, buses and passengers in an urban system. 		
✓ The perspective change consists in the following: only the energy needed to cover the distance between one stop and the following stop is carried on board. The energy is stored at each bus stop through charging stations which recharge the on-board Lithium Ion Capacitors in the extremely short time needed for passengers to exit and enter the bus.		
 Lithium Ion Capacitors (LIC), however, have a much higher energy density; and have fundamental advantages over electrochemical charge storage systems (batteries): 		
The life cycle: up to 1 million charging cycles loss of efficiency.	without significant	
The fact that charge and discharge can be seconds.	very rapid: 15/20	
Ing. Davide Tarsitano	POLITECNICO DI MILANO	































Apollo		20
Apollo Il nome: Apollo come nella mitologia è il fratello gemello di Artemide e dio del sole	Risultati e premi: 2010 - SEM Americas – Solare – 1254 miglior prestazione assoluta (gue - SEM UK – Solare – 796 km/kV posto – nuovo record assoluto c 2011 - SEM EU – Solare – 1108 km/l 1° posto veicoli solari – 1° mobility – nuovo primato mon	20 46 mpg – 5460 km/l est team) Vh – 7070 km/l – 1° competizioni SEM kWh – 9750 km/l – posto classe e- diale
	Ing Davide Tarsitano	
		POLITECNICO DI MILANO













