



## Nissan LEAFJarkko AhlbomEV Project ManagerNissan Nordic Europe Oy

#### The time has arrived for EV



### 95g CO<sub>2</sub> by 2020







#### **Nissan Green Program**



#### NISSAN GREEN PROGRAM



#### Nissan's approach to environment



Č3

REDUCE CO2 EMISSION IN THE OFFICE

NISSAN



#### **Debates about EV feasibility**





#### How clean are EVs?

#### Tank-to-wheel energy conversion rate %





#### How clean are EVs?

#### Well-to-wheel future CO<sub>2</sub> emission reductions by powertrain



#### Nissan's holistic approach to Zero Emission





#### Is the technology ready?

**1947** 



Tama

#### 1996



**Prairie Joy** 

1996



Altra

1999

2005



1999

Hyper mini



Cylinder battery



Laminated battery



#### **Nissan's Advanced Lithium-ion battery**





#### **Strategic joint ventures**





#### **Developing global partnerships**



Fleets



Governments



Standards





Utilities



Network



Technologies



IT



#### **The Nissan LEAF**



#### **Charging modes**

#### Available with two charging modes: Normal & Quick

Quick charge ~30min















#### **EV Leadership**





#### **EV Leadership**

#### World Car of the Year 2011





#### **Range anxiety**

#### Standard trips weekdays





#### Advanced IT system to manage range anxiety









#### Nissan connect powered by carwings





#### Reachable area



#### Nissan connect powered by carwings

#### Setting of notifications

2	
	Image: CD AUX     Menu Select notices to send to a cellphon 23:23 DBack       Aux     Store No Plug-In Notice Locations       No Plug-in Notice Time     10 min.
	No Plug-In Notice     Image: Charge Complete Notice       Vol.     Charge Complete Notices       Reset All Cellphone Notices to Default
	Parallel Sport



#### The Renault-Nissan Alliance is ready for mass marketing

# 500,000 batteries\* 5 battery plants 3 assembly plants



\* production capacity per year

#### **Thank You!**

