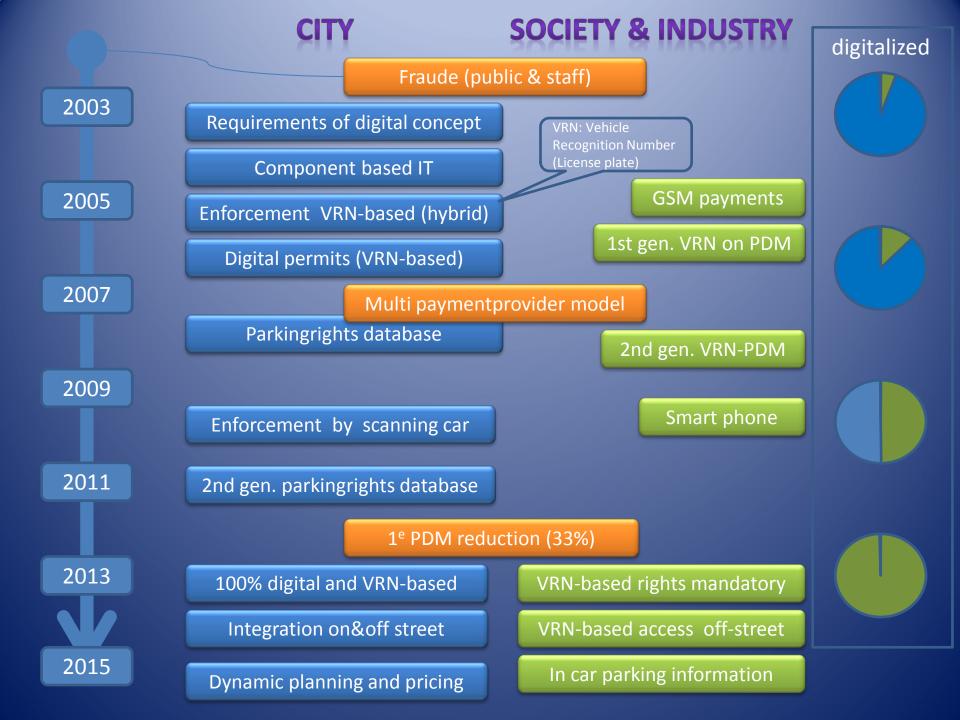
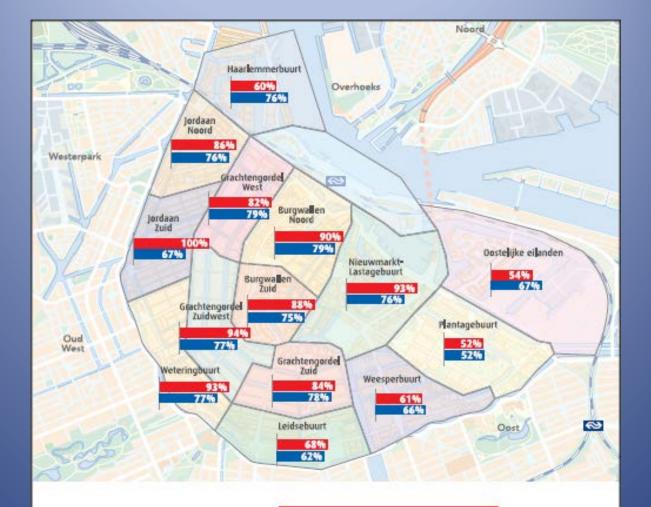
FROM
STONE AGE
TO
DRONE AGE
IN
PARKING

Ans Rietstra — City of the Hague Milan, AIPARK CONFERENCE at CITYTECH 28 October 2013



FACTSHEET AMSTERDAM						
Residents Amsterdam	800.000					
Jobs	2.224.000					
Permits	147.000					
Parking places	150.000					
	2007	2000	2000	2010	2014	0/
	2007	2008	2009	2010	2011	%
Places on street	117.400	127.772	133.042	158.552	148.066	26
Places off street					30.000	
Parking tickets	202.240	201.000	407.070	107 700	20.000.000	
Fines	383.319	394.269	405.358	485.780	487.172	27
REVENUES PARKING x €1.000	2007	2008	2009	2010	2.011	%
PDM	74.248	68.968	65.213	62.423	65.814	-11
Phone/apps	15.800	25.567	31.250	35.258	41.104	160
Permits	22.331	24.571	27.179	29.612	30.951	39
Fines	16.434	16.221	16.027	20.063	22.477	37
TOTAL	133.698	139.105	142.092	149.901	162.019	21///
PRODUCTIVITY	2008	2013				
Scancars	0	6				
Operational costs	100%	60%				
Attendants / place	4/1000	1/1000				
Attenuants / prace	4/1000	1/1000				
TRAVEL KM FROM, TO AND IN AMSTERDAM / DAY						
	1990	2008				
Car	20.246.000	24.320.000				
Public Transport	10.846.000	16.612.000				
Bike	1.568.000	2.260.000				
TOTAL	32.660.000	43.193.000			144/1/1	1/1/1/1////////////////////////////////
MODAL SPLIT						
MODALSIEIT	1991	2008				
Private car	39%	31%				
Public Transport	28%	22%				
Bike	33%	47%				
Бис	33/0	-1 7/0				



Parkeerdruk 20:00 - 22:00 uur

Gemiddelde bezettingsgraad geparkærde auto's, bestelauto's en vrachtwagens

1997 - 1998

2007 - 2008

Conclusie grafiek

 In veel gebieden is de parkeerdrukwat afgenomen

Lessons learned

- 'Best of breed' in stead of 'one stop shop'
- Explicit design principles for processes and ICT brought focus
- The parking industry proved to be conservative and we had to push hard on innovations
- Don't hire the parking payment providers: let them focus on consumers: they survive in making the difference
- Adapt to developments in society: we can stay one step behind in the use of social media but must be one step ahead in our management processes
- Keep away from physical stuff like tokens, barriers and sensors
- Respect the privacy of our citizens

From stone age to drone age

- In 10 years time we came from problem solving to the stage where we have the means in processes and technology to shape our urban mobility and adapt much faster on changes
- We want to share knowledge for enhancing parking processes in a network of cities
 - and infrastructure for pilots (database and pdm's)