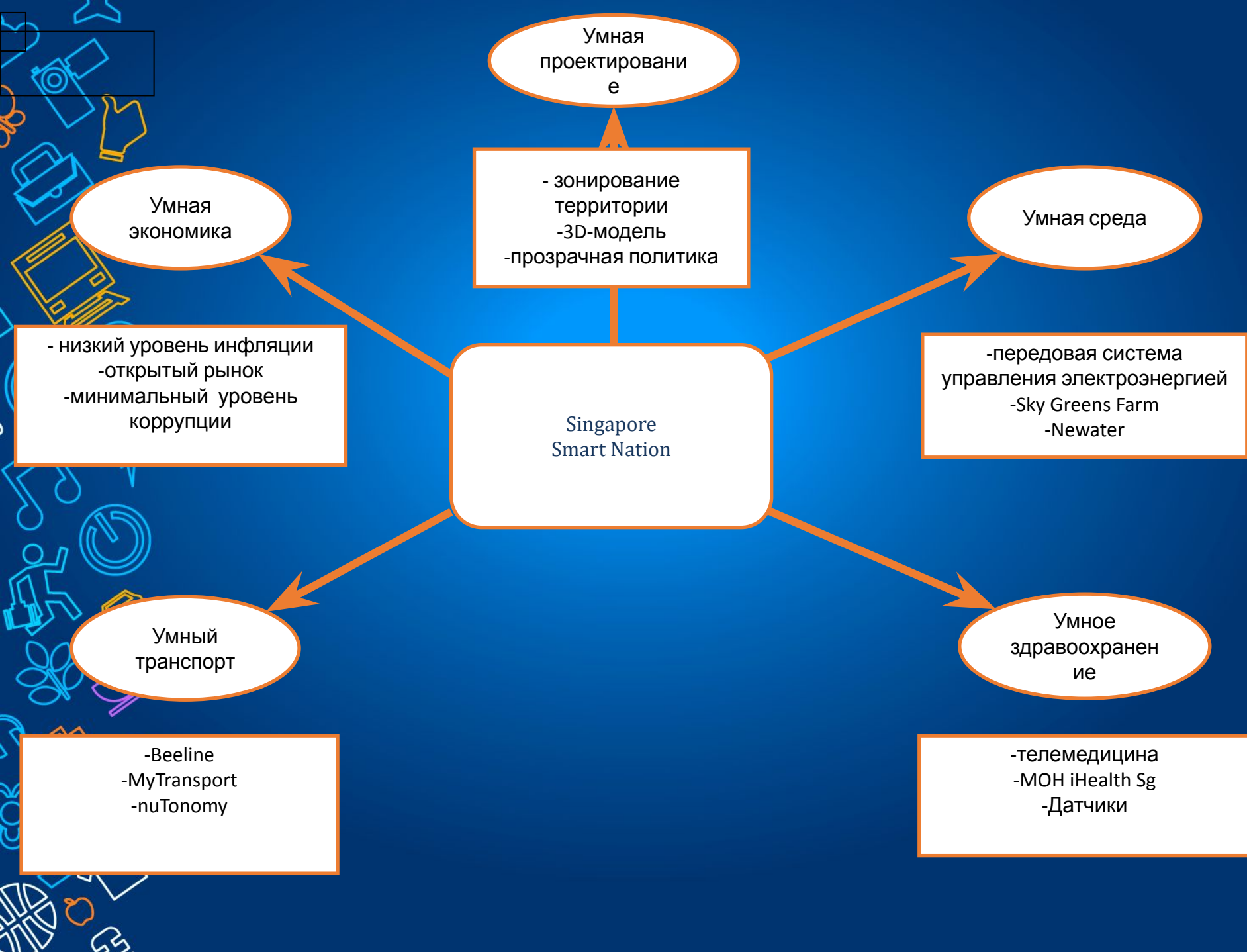




# Smart city

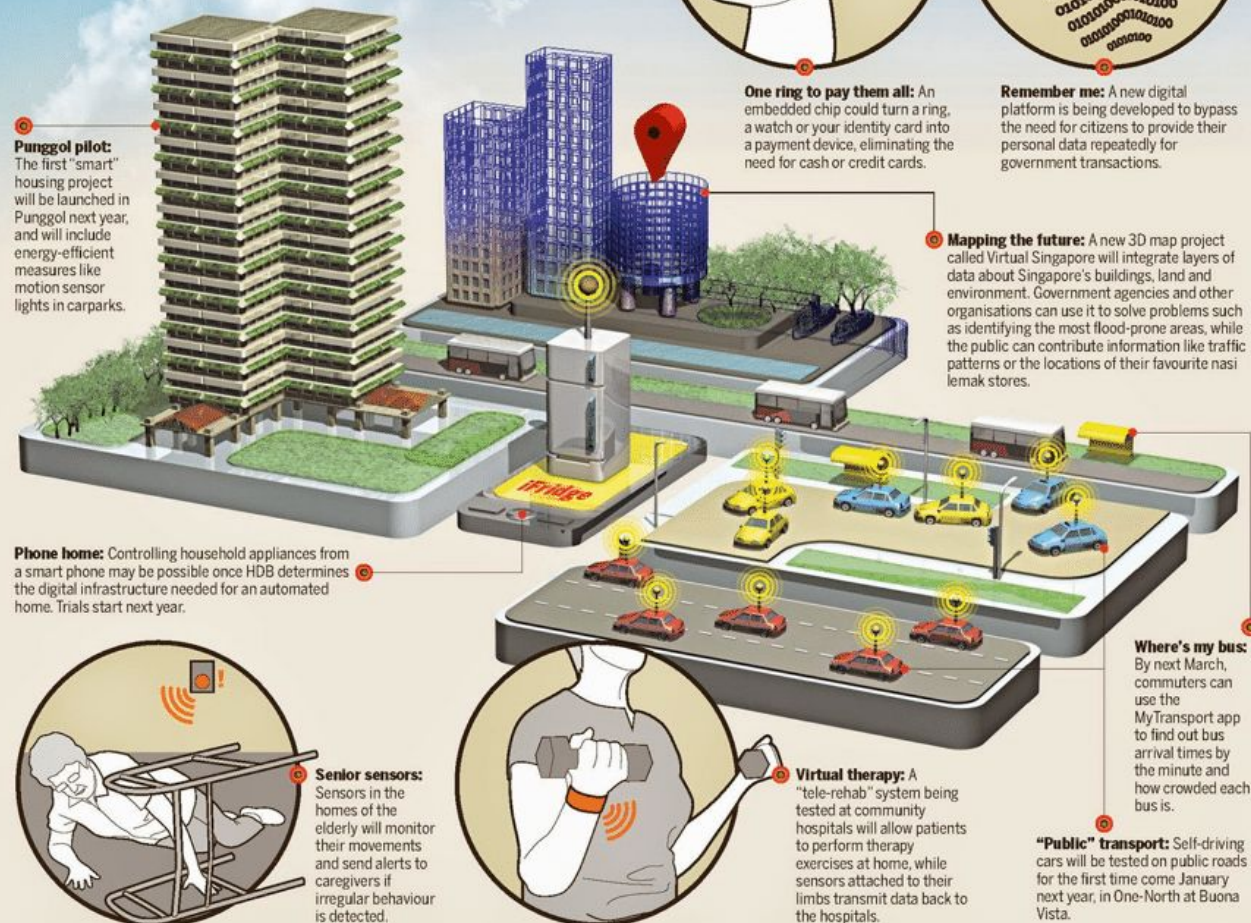
Группа №5





# Smart Singapore

Singapore is expanding its use of technology to entrench its position as a leading global city and improve Singaporeans' quality of life. Here are some upcoming initiatives:



**Punggol pilot:** The first "smart" housing project will be launched in Punggol next year, and will include energy-efficient measures like motion sensor lights in carparks.

**Phone home:** Controlling household appliances from a smart phone may be possible once HDB determines the digital infrastructure needed for an automated home. Trials start next year.



**Senior sensors:** Sensors in the homes of the elderly will monitor their movements and send alerts to caregivers if irregular behaviour is detected.



**One ring to pay them all:** An embedded chip could turn a ring, a watch or your identity card into a payment device, eliminating the need for cash or credit cards.



**Remember me:** A new digital platform is being developed to bypass the need for citizens to provide their personal data repeatedly for government transactions.

**Mapping the future:** A new 3D map project called Virtual Singapore will integrate layers of data about Singapore's buildings, land and environment. Government agencies and other organisations can use it to solve problems such as identifying the most flood-prone areas, while the public can contribute information like traffic patterns or the locations of their favourite nasi lemak stores.



**Virtual therapy:** A "tele-rehab" system being tested at community hospitals will allow patients to perform therapy exercises at home, while sensors attached to their limbs transmit data back to the hospitals.

**Where's my bus:** By next March, commuters can use the MyTransport app to find out bus arrival times by the minute and how crowded each bus is.

**"Public" transport:** Self-driving cars will be tested on public roads for the first time come January next year, in One-North at Buona Vista.



Копенгаген

City Data Exchange

City Lab

Отлаженное  
функционирование системы  
между жителями города и  
представителями власти

Актуальность документации  
страны

Высокая посещаемость  
официальных сайтов  
городской администрации

Ecology

Сокращение  
автомобильных трасс

Сокращение парковочных  
мест, следовательно пробок

Увеличение количества  
тротуаров

Улучшение велосипедных  
дорог

Энергоресурсы

Различные мелочи жизни



# COPENHAGEN

is using the City Performance Tool to evaluate alternative technologies currently not included in the CPH 2025 Climate Plan.



**570k**  
Population



**3,509**  
Annual electricity  
demand per person  
in kilowatt hours



**41%**  
Share of passenger  
kms taken by  
public transport






















**41m<sup>2</sup>**  
Average home size  
per inhabitant

The Siemens City Performance Tool identifies  
the right technologies for your city.  
[siemens.com/cypt](https://www.siemens.com/cypt)

The City Performance Tool compiles data from publicly available municipal and national sources from 2012 to 2015.

© Siemens

			Transport and Mobility				Sustainability				Governance				Innovation Economy	Digitalization				Living Standard	Expert Perception	
#	City	Country																				Rank/Score
			▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼		▼	▼
1	Copenhagen	Denmark	9.81	8.62	8.18	6.82	7.92	9.83	8.24	6.11	9.38	8.53	7.09	5.85	9.13	8.63	7.66	4.12	9.74	8.70	9.12	8.24
2	Singapore	Singapore	7.30	6.63	4.20	10.00	2.26	8.44	7.62	7.15	10.00	5.47	7.82	5.12	8.62	8.71	7.75	6.63	7.55	8.18	9.30	7.83
3	Stockholm	Sweden	7.49	5.93	6.71	6.54	8.44	6.88	8.94	8.79	9.29	10.00	7.62	7.66	9.57	8.37	9.22	6.28	8.69	7.32	8.20	7.82
4	Zurich	Switzerland	7.80	7.75	4.98	9.83	8.62	10.00	10.00	8.70	2.07	8.10	9.03	9.02	9.74	4.69	4.38	5.59	7.55	10.00	9.00	7.75
5	Boston	United States	8.01	8.70	7.71	7.21	3.60	5.15	4.26	6.56	5.30	6.97	5.12	10.00	10.00	6.06	9.39	6.80	9.17	8.22	9.30	7.70