

**Задачи мониторинга и
управления как борьба за
непрерывность предоставления
услуг — от А до ИВ**

2017, Август, 26



SAYMON

структура беседы

- Люди Интернет и вещи
- Экономика и дигитализация
- Мониторинг и управление, представления
- Опыт и примеры интернет вещей

7,5 Млрд человек

>15 Млрд устройств

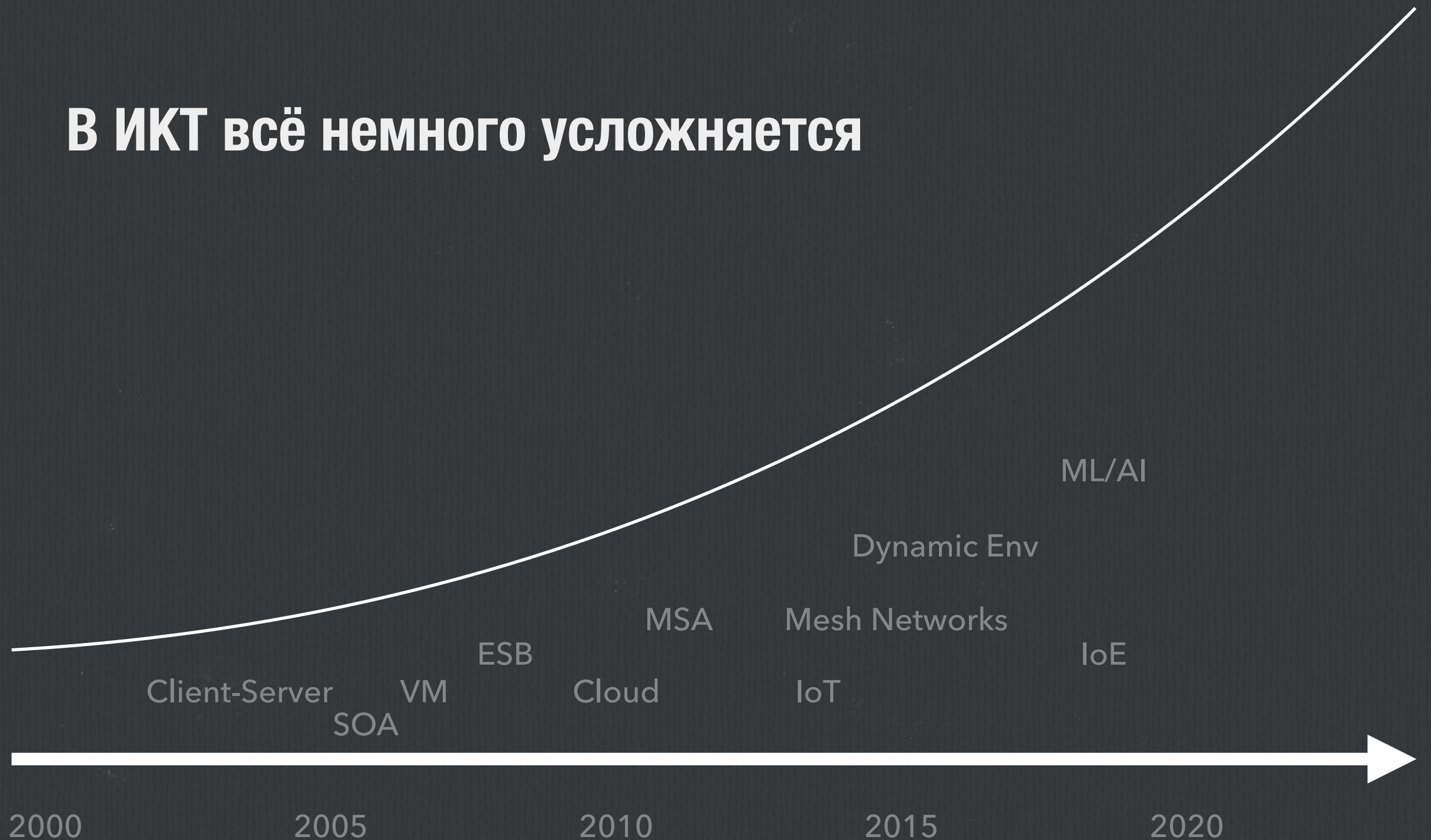
IoP IoT IoE

140 Млн человек в России

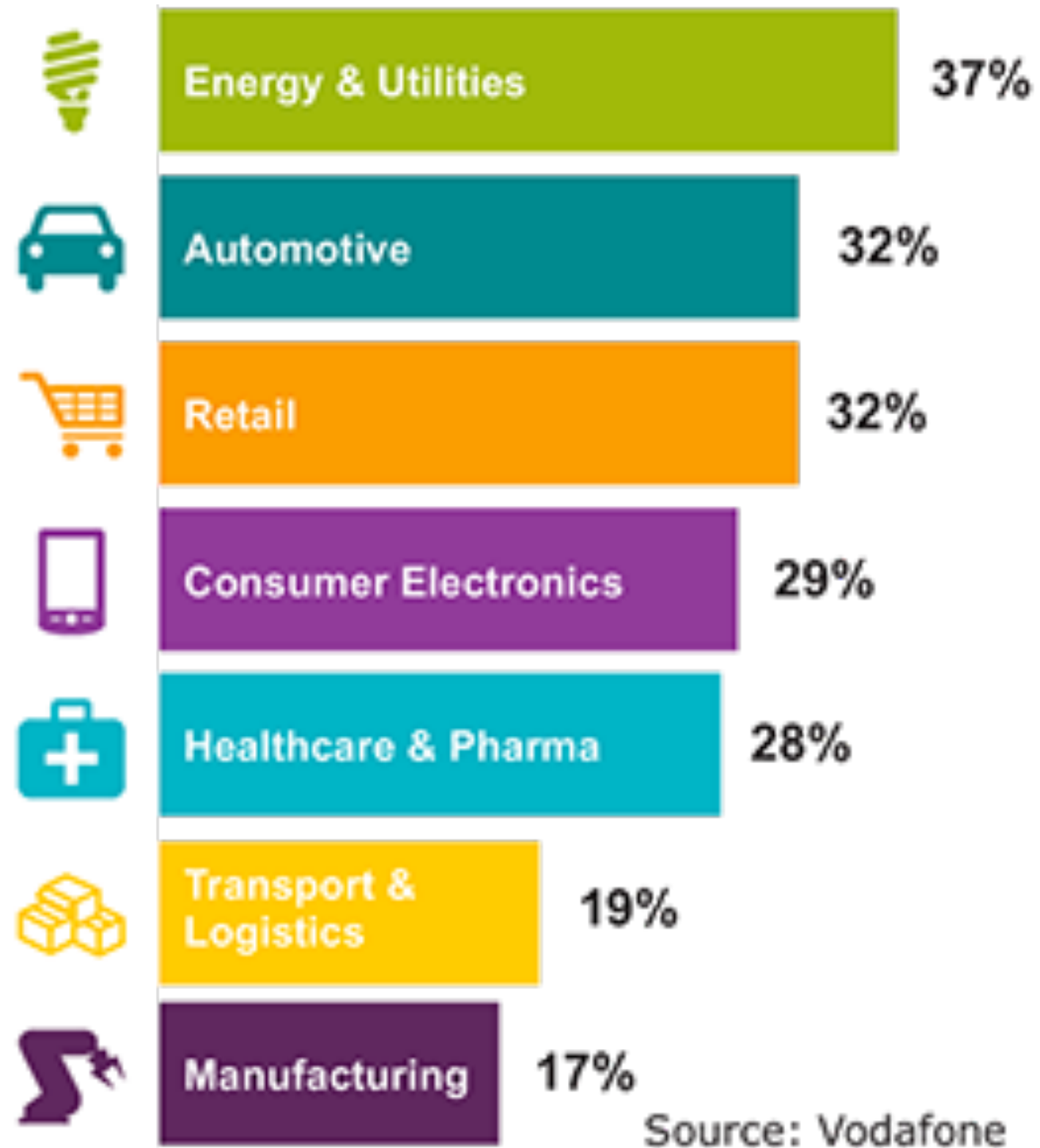
2% населения планеты

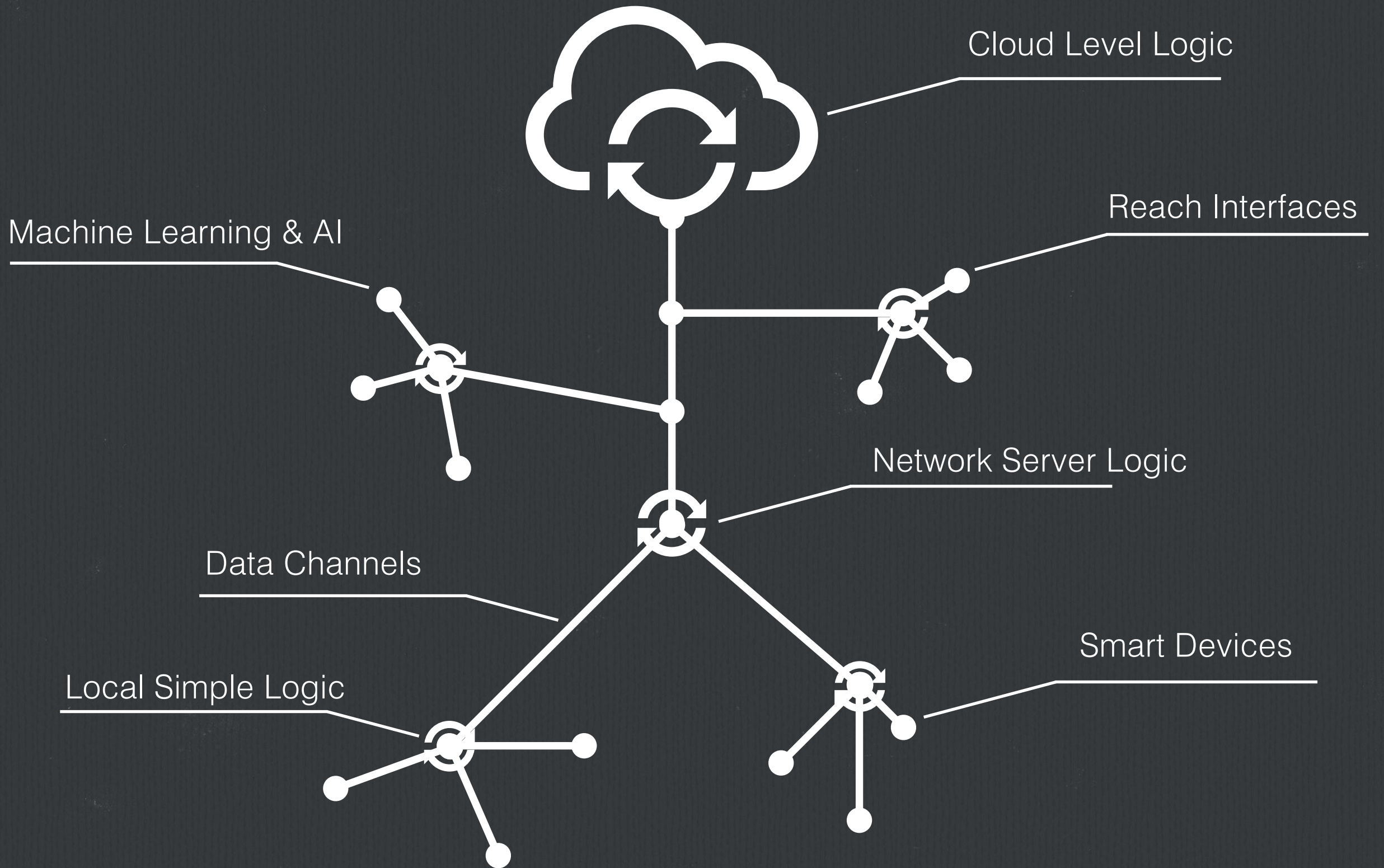
2% ИКТ ЭКОНОМИКИ

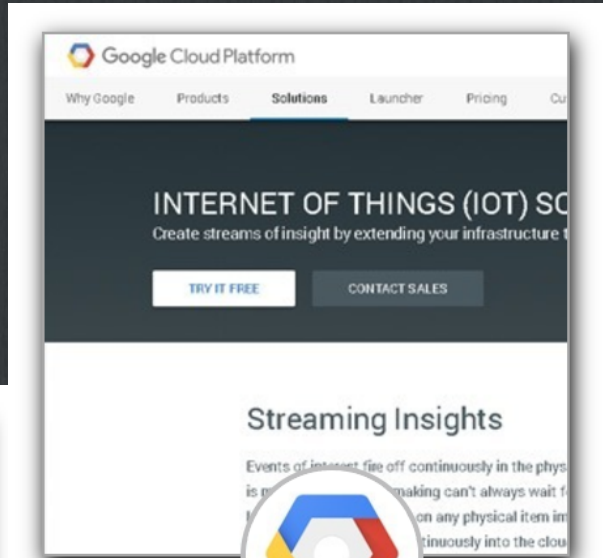
В ИКТ всё немного усложняется



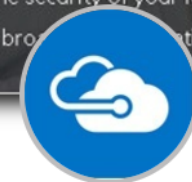
Sector	Over-all digitization ¹	Assets		Usage			Labor			GDP share %	Employment share %	Productivity growth, 2005-14 ²
		Digital spending	Digital asset stock	Transactions	Interactions	Business processes	Market making	Digital spending on workers	Digital capital deepening			
ICT										5	3	4.6
Media			1							2	1	3.6
Professional services										9	6	0.3
Finance and insurance										8	4	1.6
Wholesale trade					4					5	4	0.2
Advanced manufacturing										3	2	2.6
Oil and gas			2							2	0.1	2.9
Utilities										2	0.4	1.3
Chemicals and pharmaceuticals										2	1	1.8
Basic goods manufacturing										5	5	1.2
Mining										1	0.4	0.5
Real estate	●									5	1	2.3
Transportation and warehousing	●									3	3	1.4
Education	●									2	2	-0.5
Retail trade	●									5	11	-1.1
Entertainment and recreation										1	1	0.9
Personal and local services										6	11	0.5
Government	●									16	15	0.2
Health care										10	13	-0.1
Hospitality	●		6							4	8	-0.9
Construction										3	5	-1.4
Agriculture and hunting										1	1	-0.9







<https://www.postscapes.com/internet-of-things-platforms>



Вещи:
Sensors Actuators Controllers

СВЯЗЬ:

Z-Wave, ZigBee, LoRa, eMTC, NB-IoT,...

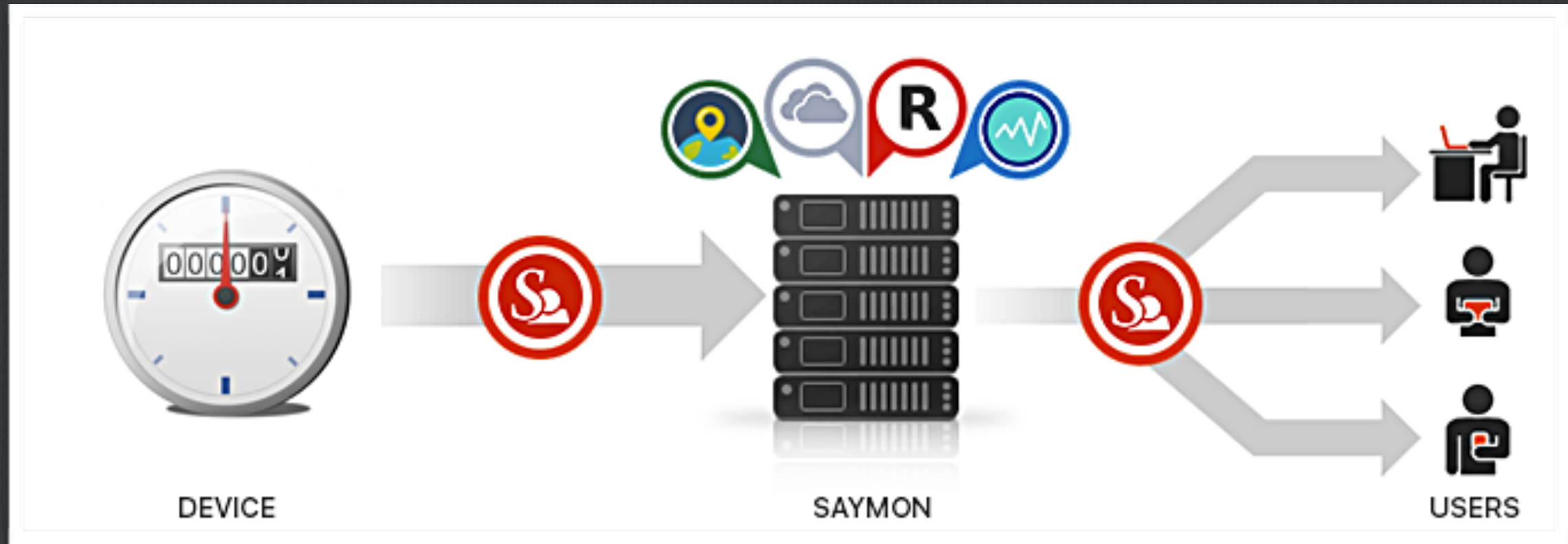
WiFi? Eth? BT?

Данные:
Collect, Store (Long Time)

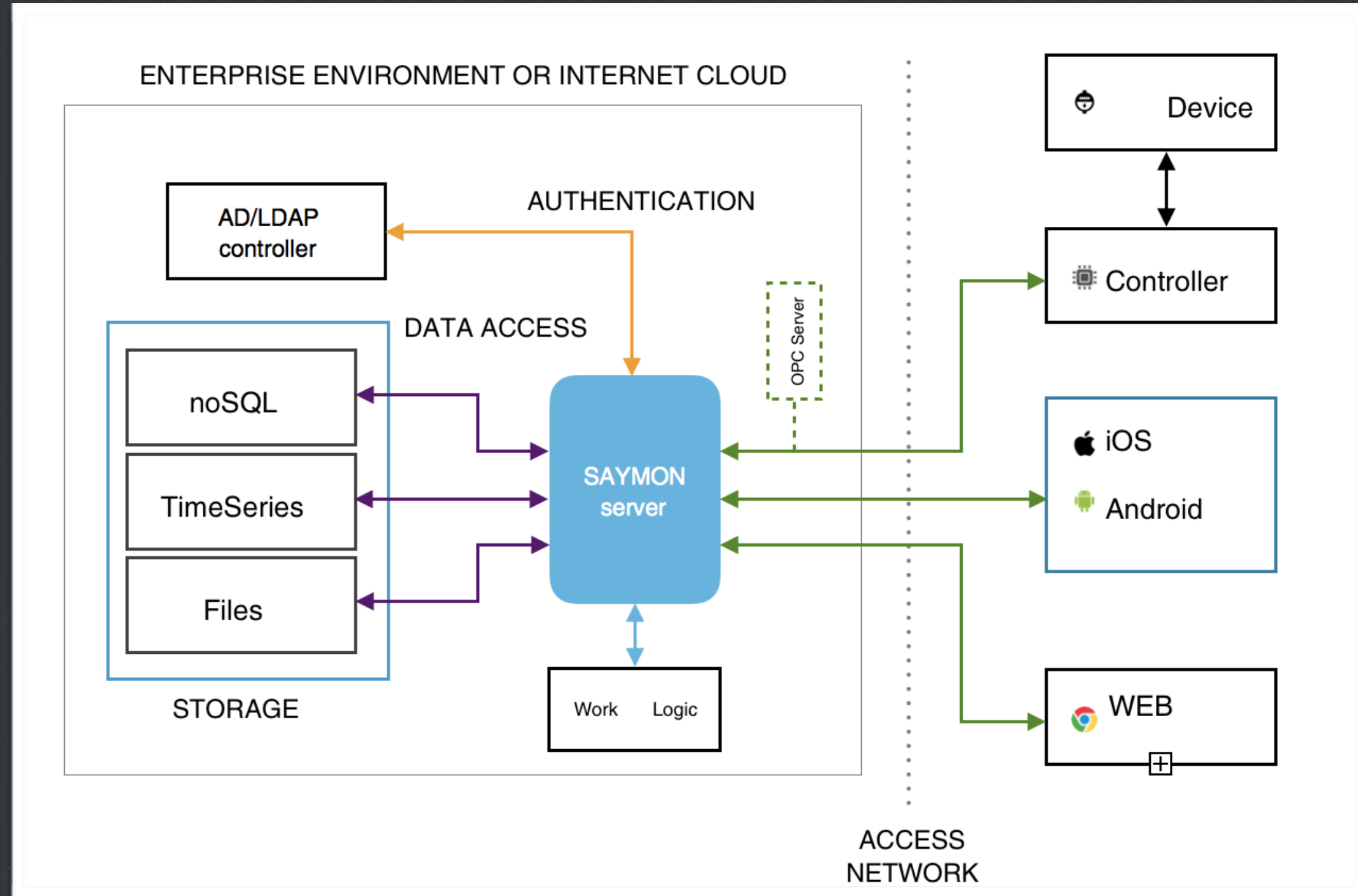
Действия:
Analyse, Act

Доступ:
Web, Apps, Levels

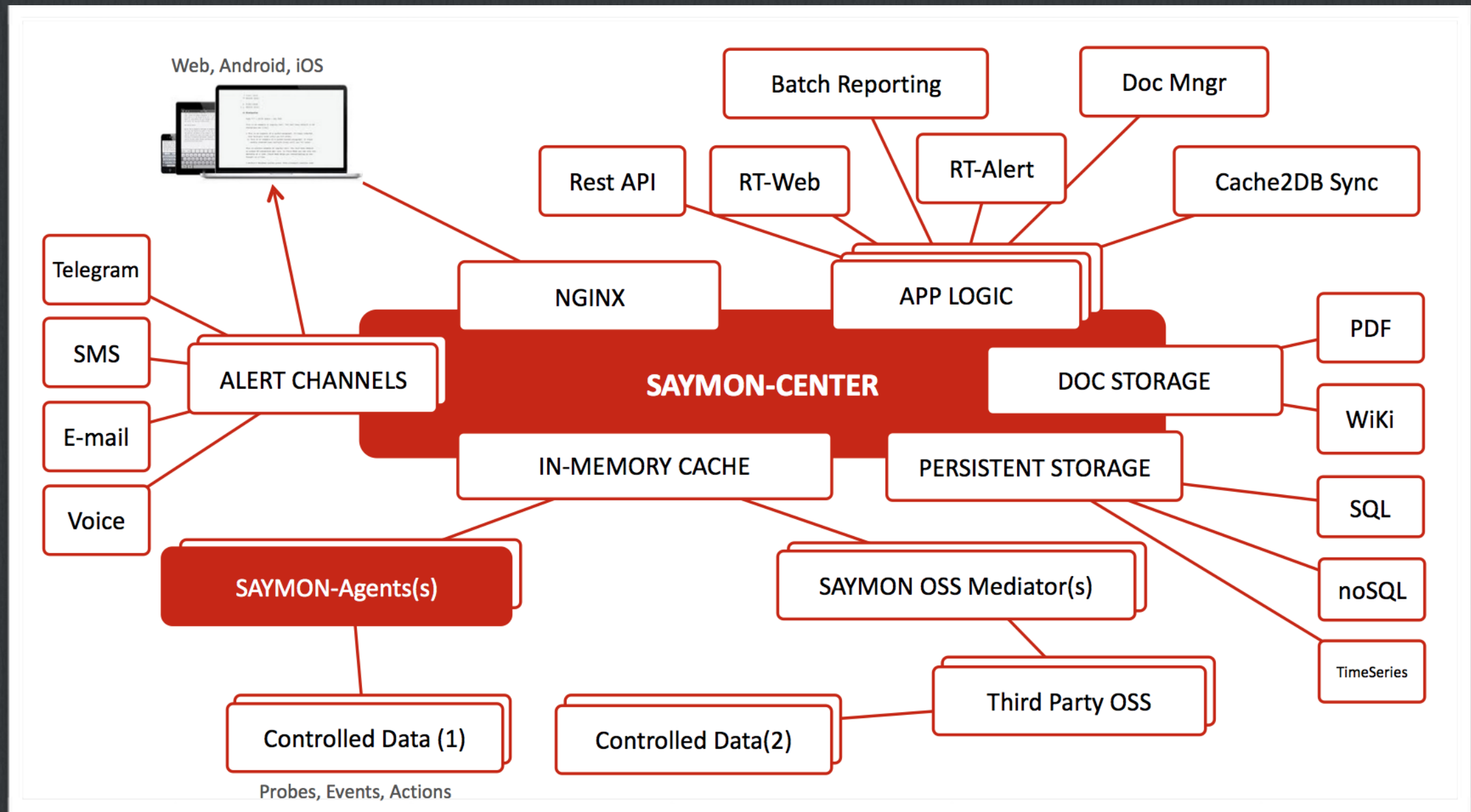
Architecture



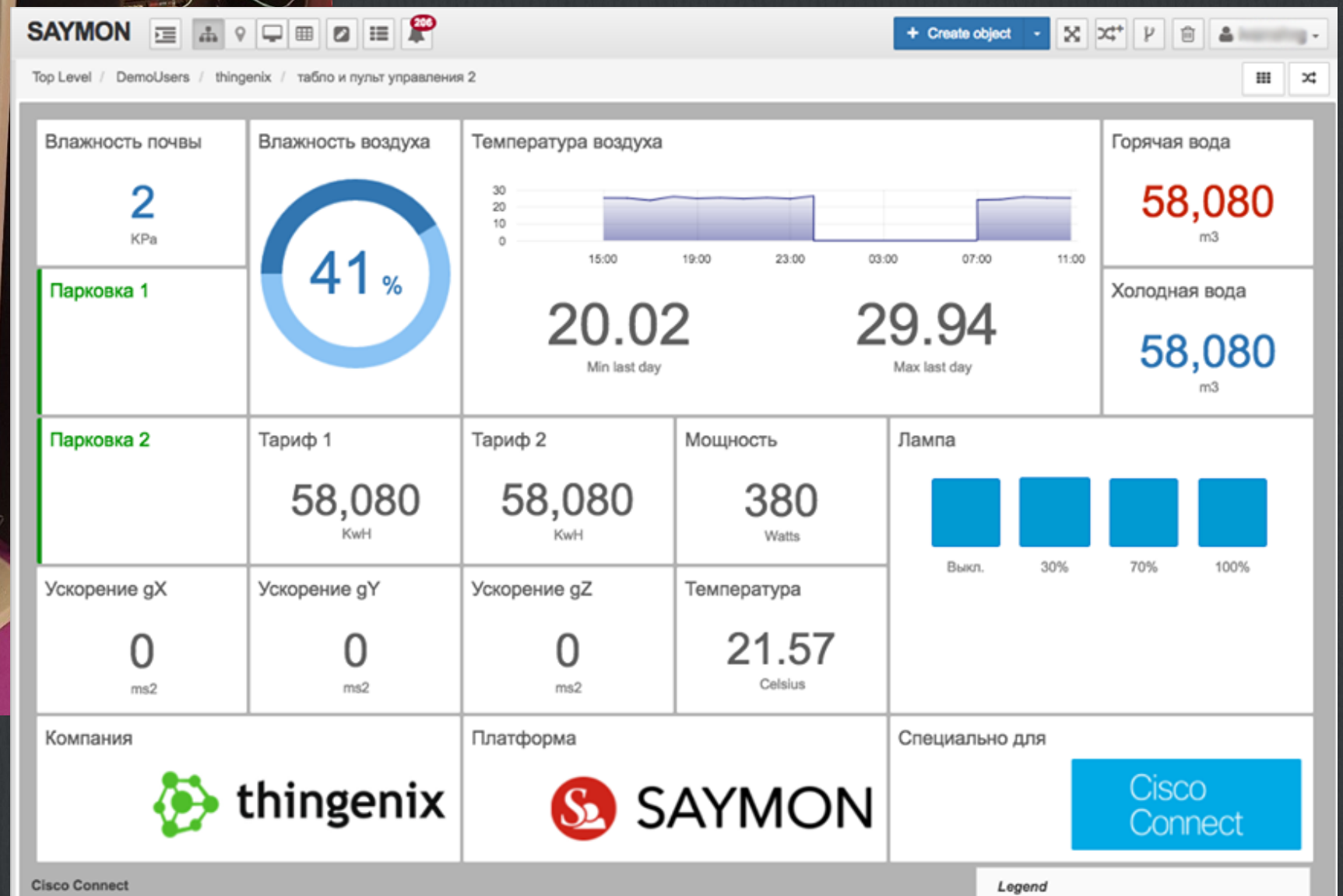
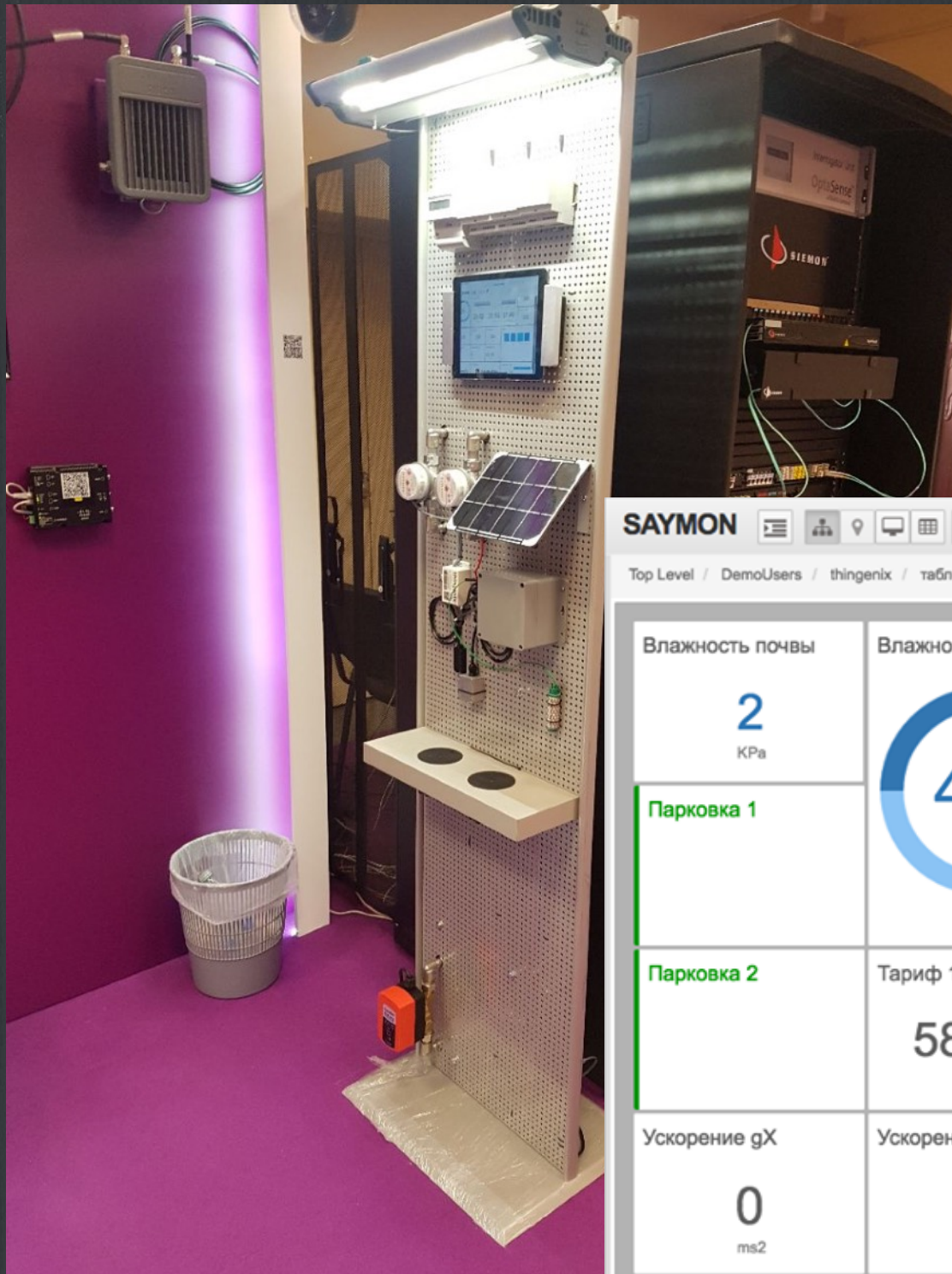
Architecture



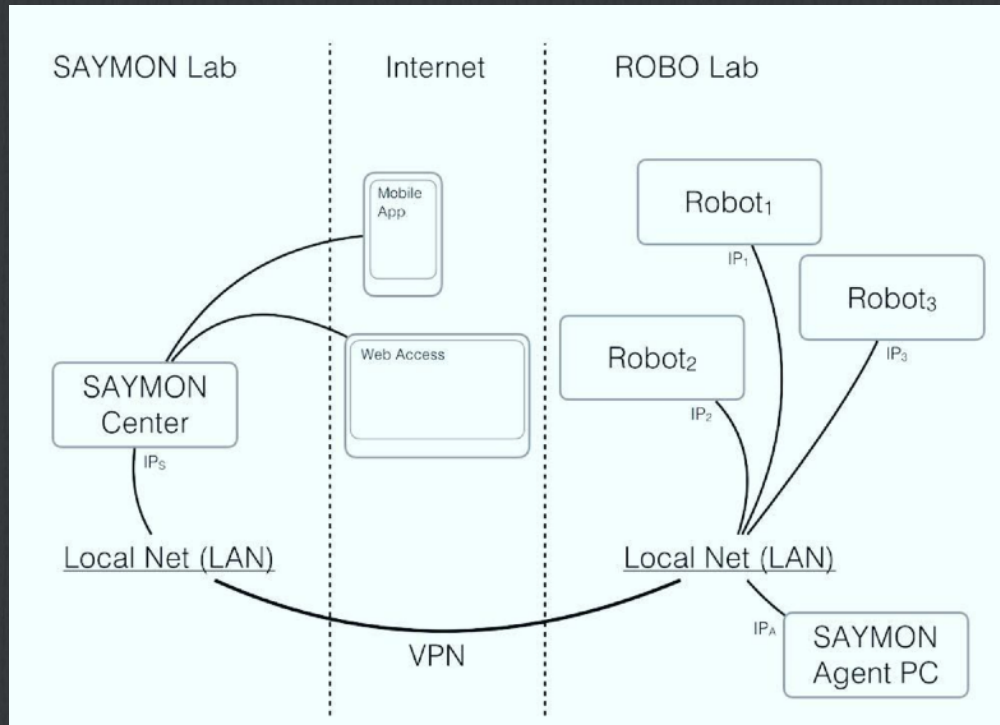
Architecture



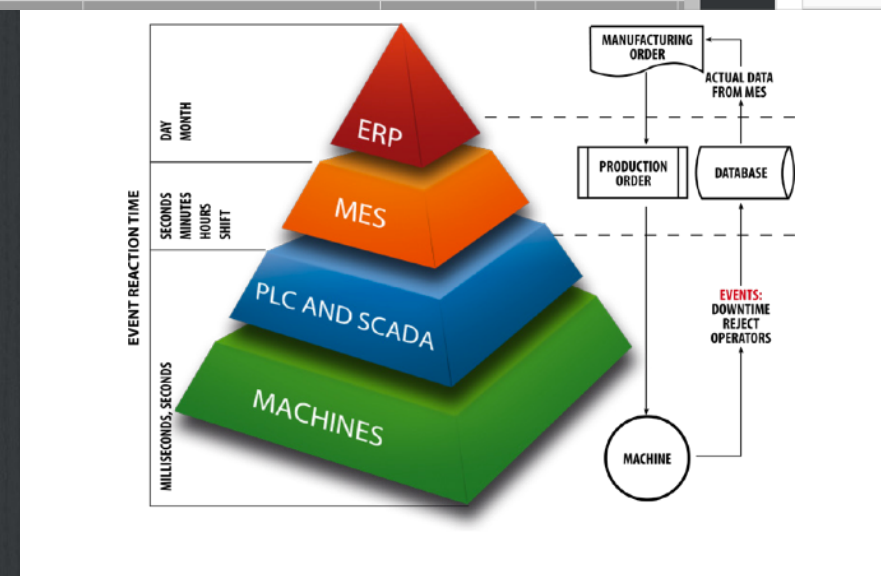
Show Case



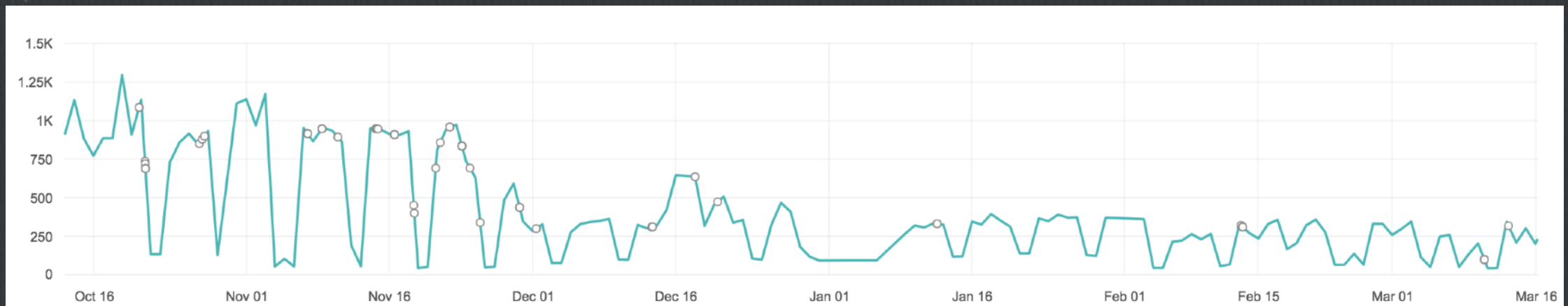
Show Case



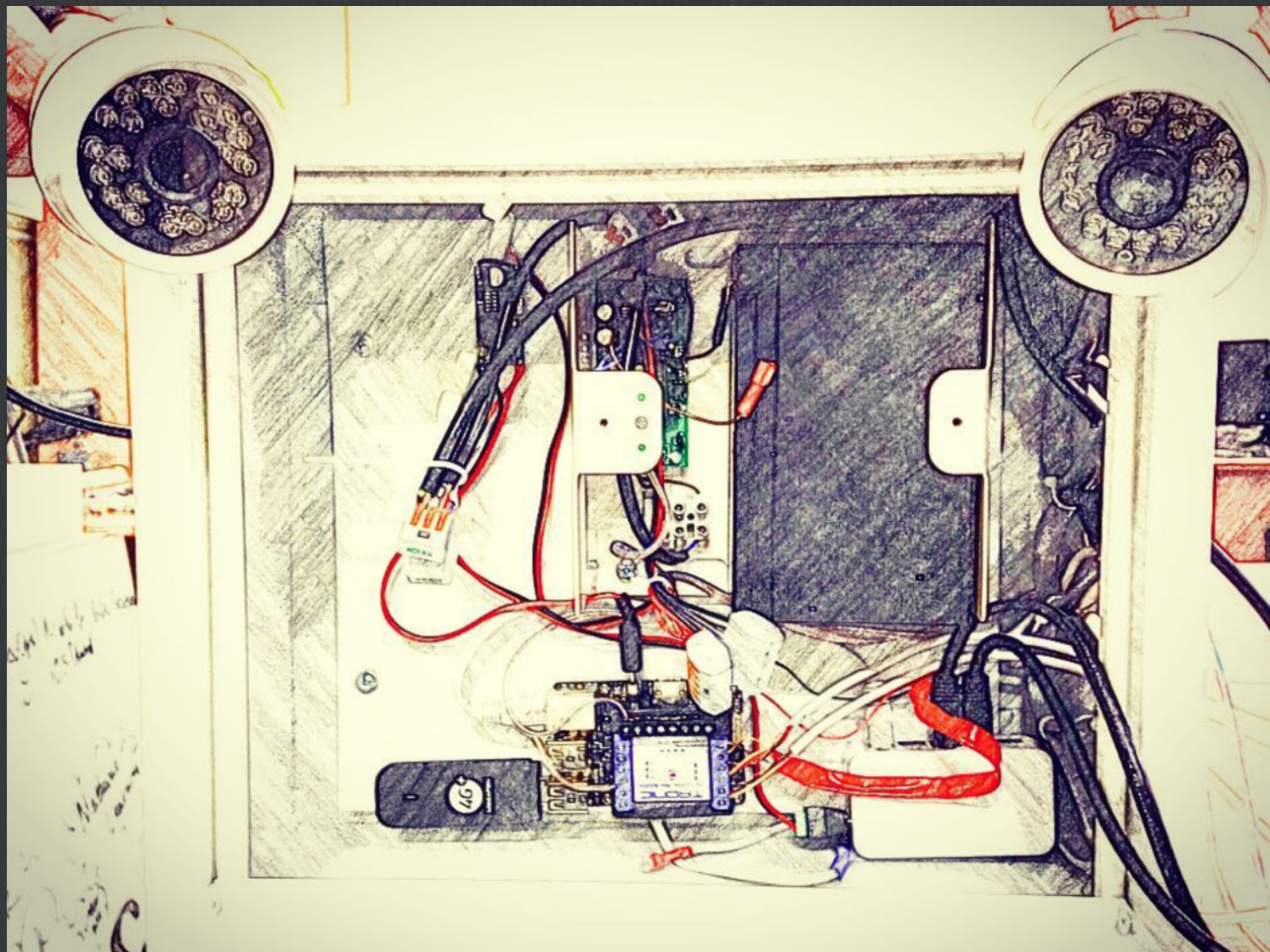
The screenshot shows the SAYMON web interface for a specific robot. The title is 'Робот покрасочный P-250iA V7.50P/17'. The name is 'P250iA_PAINT'. The efficiency is displayed as '7.01'. The production time is '2 days 04:10:21'. The instrument work time is '1 days 05:27:43'. There is a bar chart titled 'Работа робота во времени' showing activity over a 24-hour period. A photo of the robot arm is shown on the right. The interface includes navigation menus and user information.



Use Case



Use Case



Start-up Case

здоровье и комфорт вашей семьи

homeweather

Измерение микроклимата в доме должно быть таким, как **homeweather**. Контролируйте температуру и влажность, где бы вы ни находились.

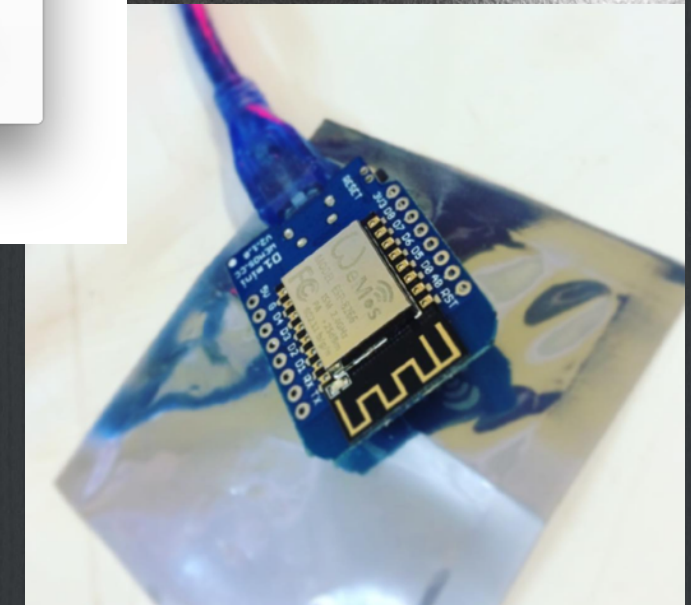
Предзаказ

влажность температура уведомления

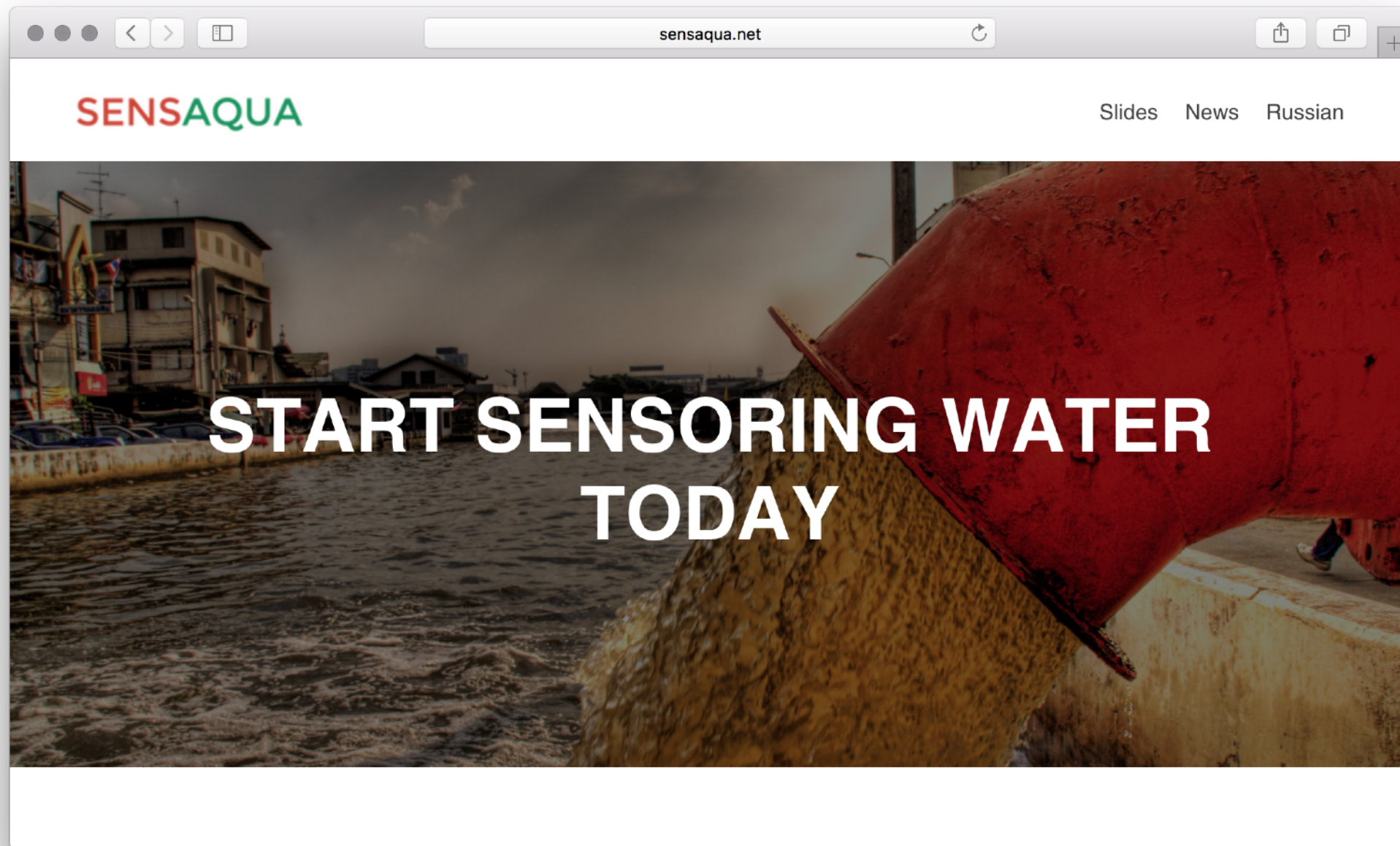
Помещение	Влажность	Температура
Кухня	39.0%	28°
Детская	39.0%	22°
Гостинная	43.0%	25°
Кабинет	40.0%	20°
Терраса	41.0%	18°
	39.0%	32°
	38.0%	19°
	40.0%	17°

Добавить новый сенсор

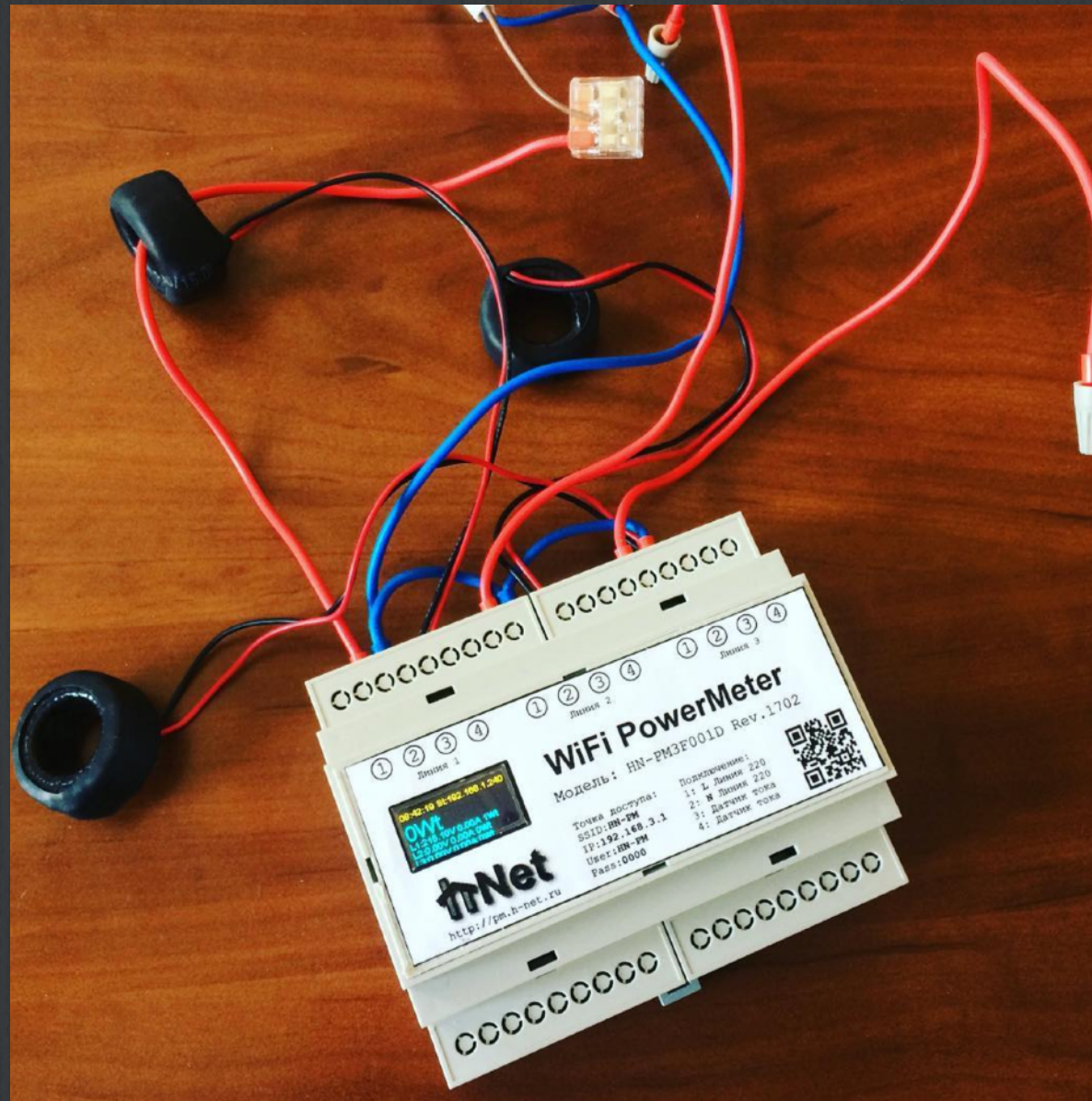
QR code on wooden cube with 't°' logo



Start-up Case



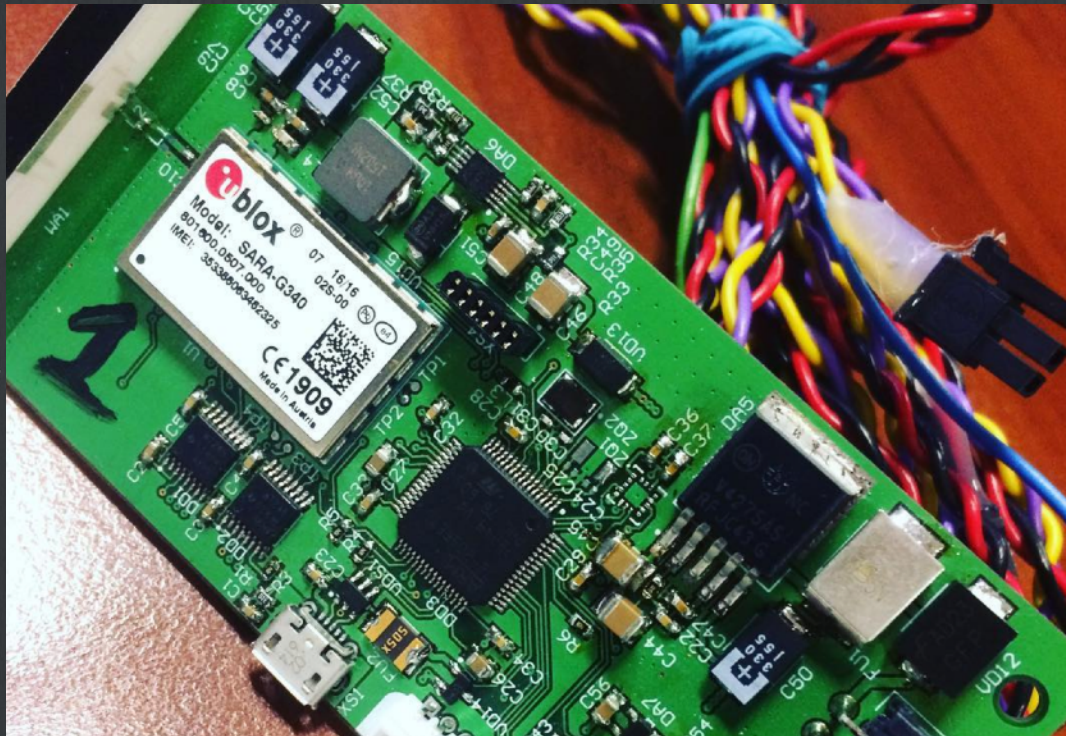
Tests Energy



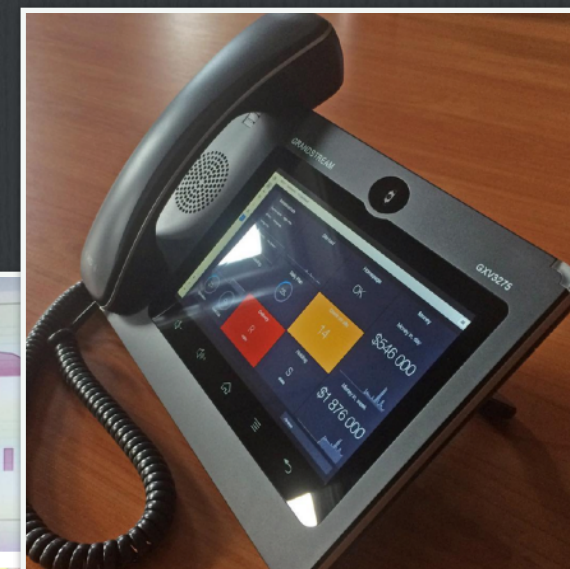
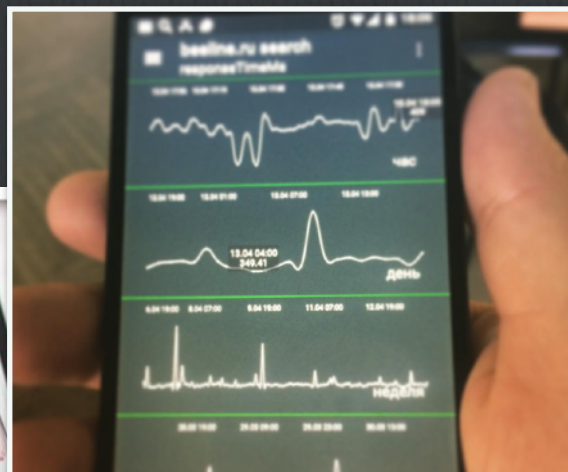
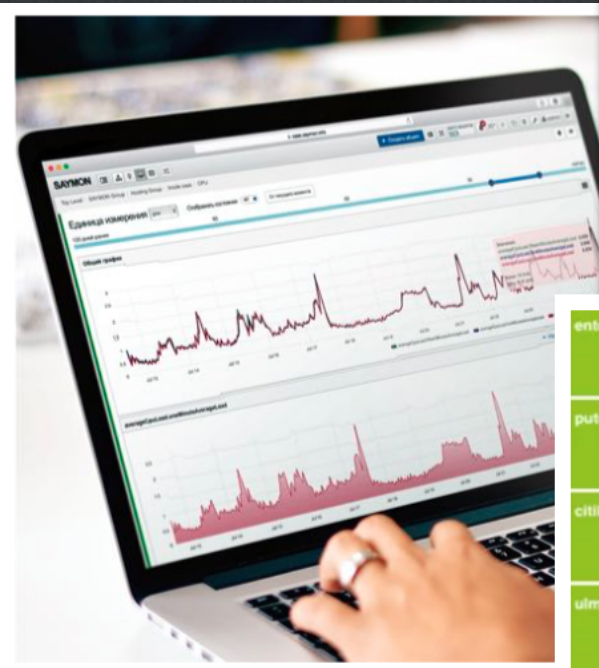
Android Tests



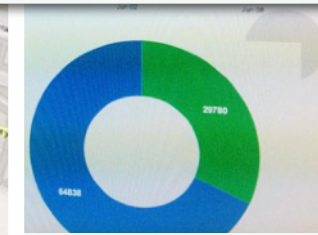
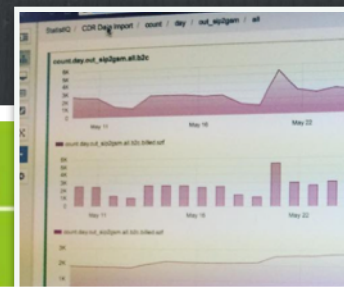
Cars & Cardio



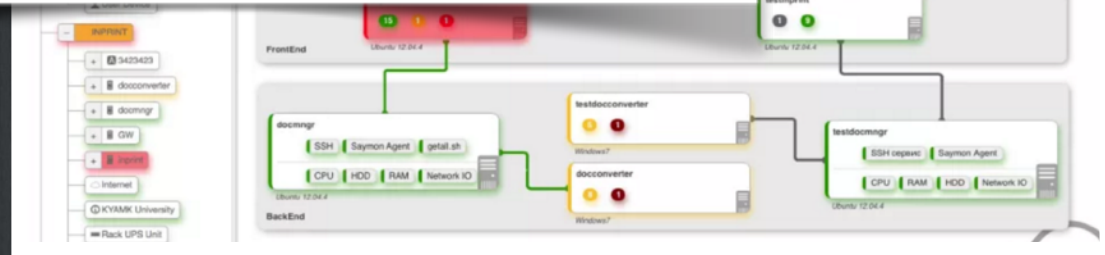
tests...



enter.ru	enter.ru search	aliexpress.com	aliexpress.com search	rt.ru
115	896	248	843	160
puteshop.ru	puteshop.ru search	dx.com	dx.com search	beeline.ru
700	599	1,198	1,052	294
citilink.ru				
238				
ulmart.ru				
318				
euroset.ru				
542				

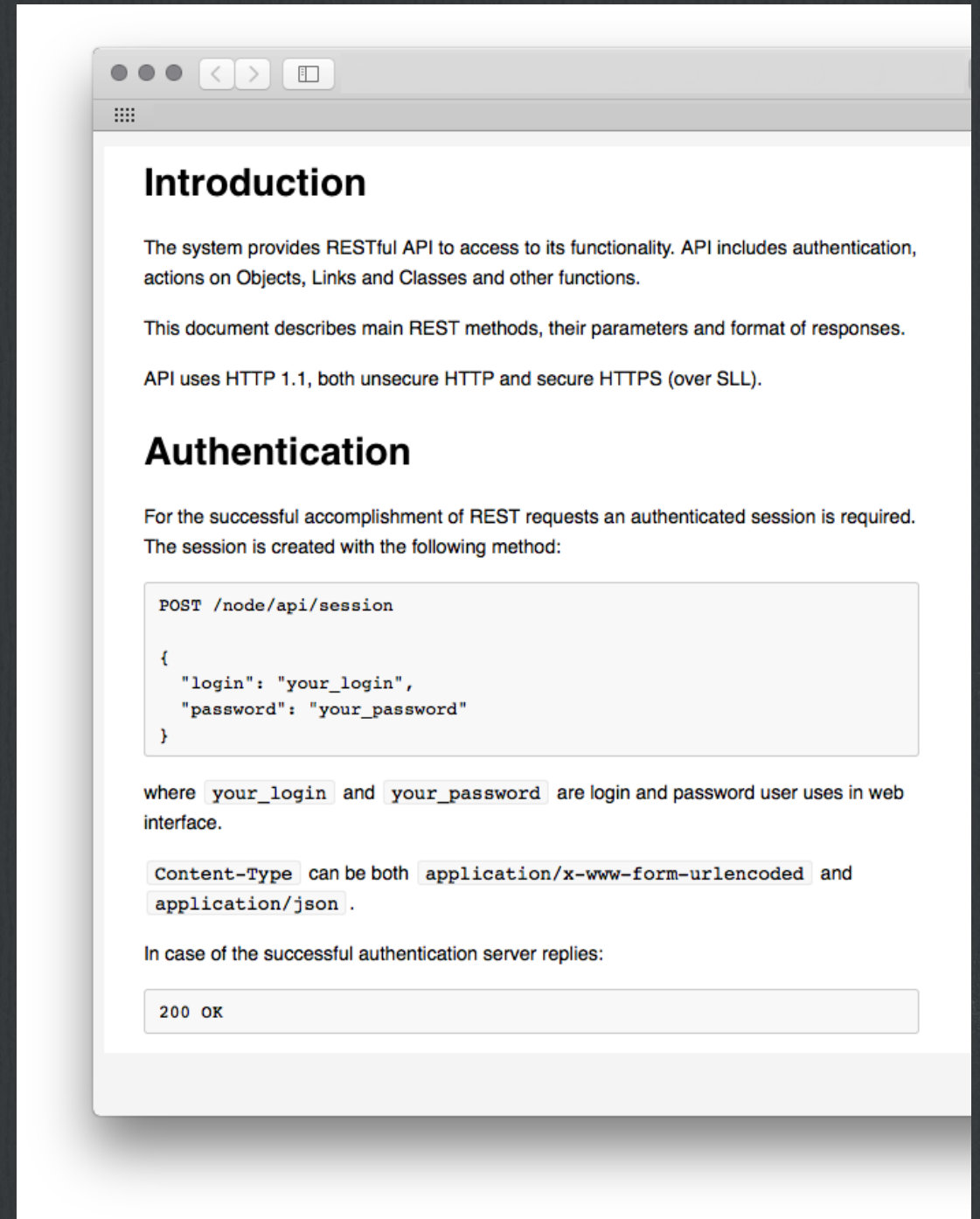


1,863
amazon.com search
438
specphoto-spb.ru search
119

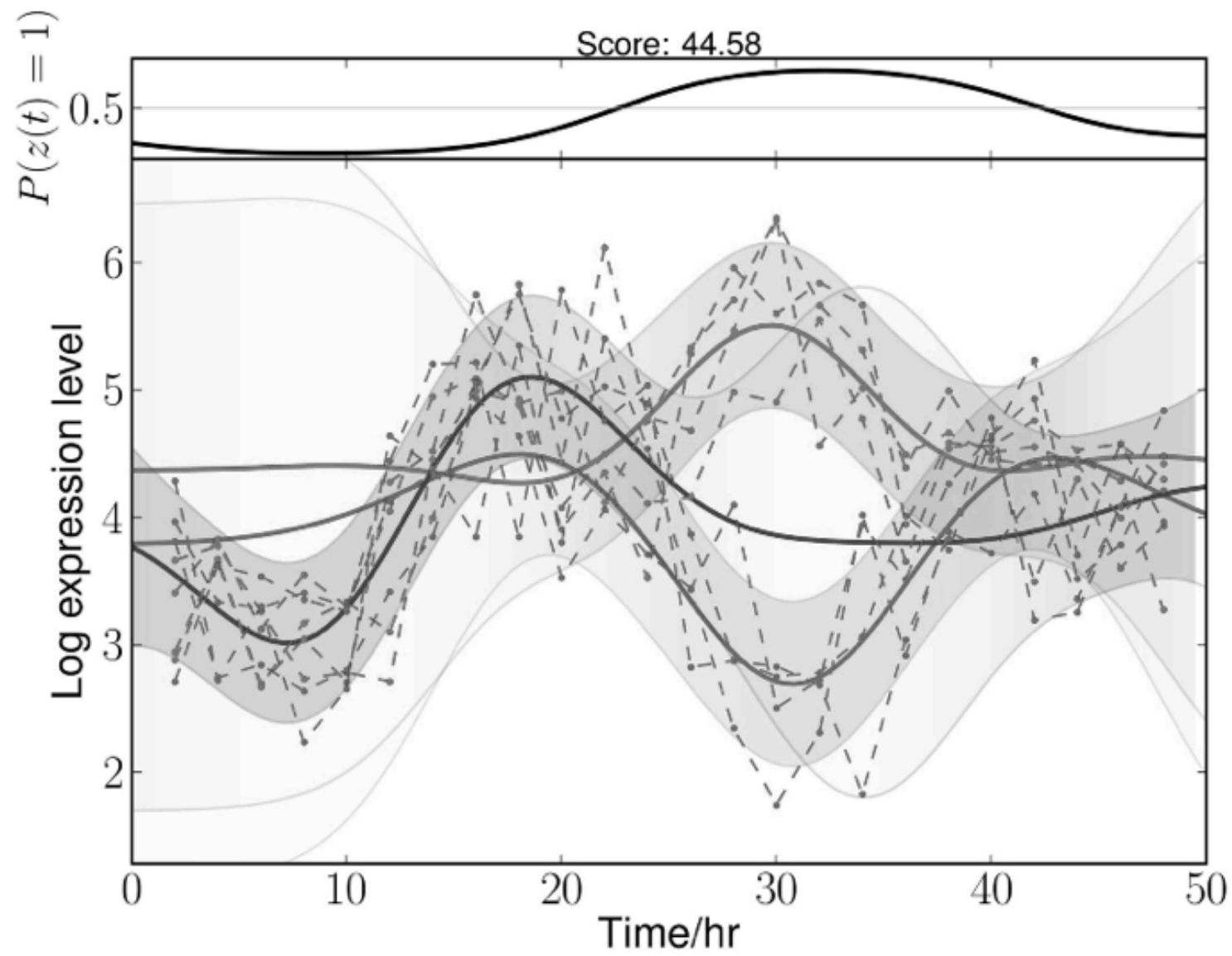


Open RESTful API

Well described Open HTTP/JSON
API lets you and your partners
organise
platform-2-platform integration
external UI integration
new UI and Apps

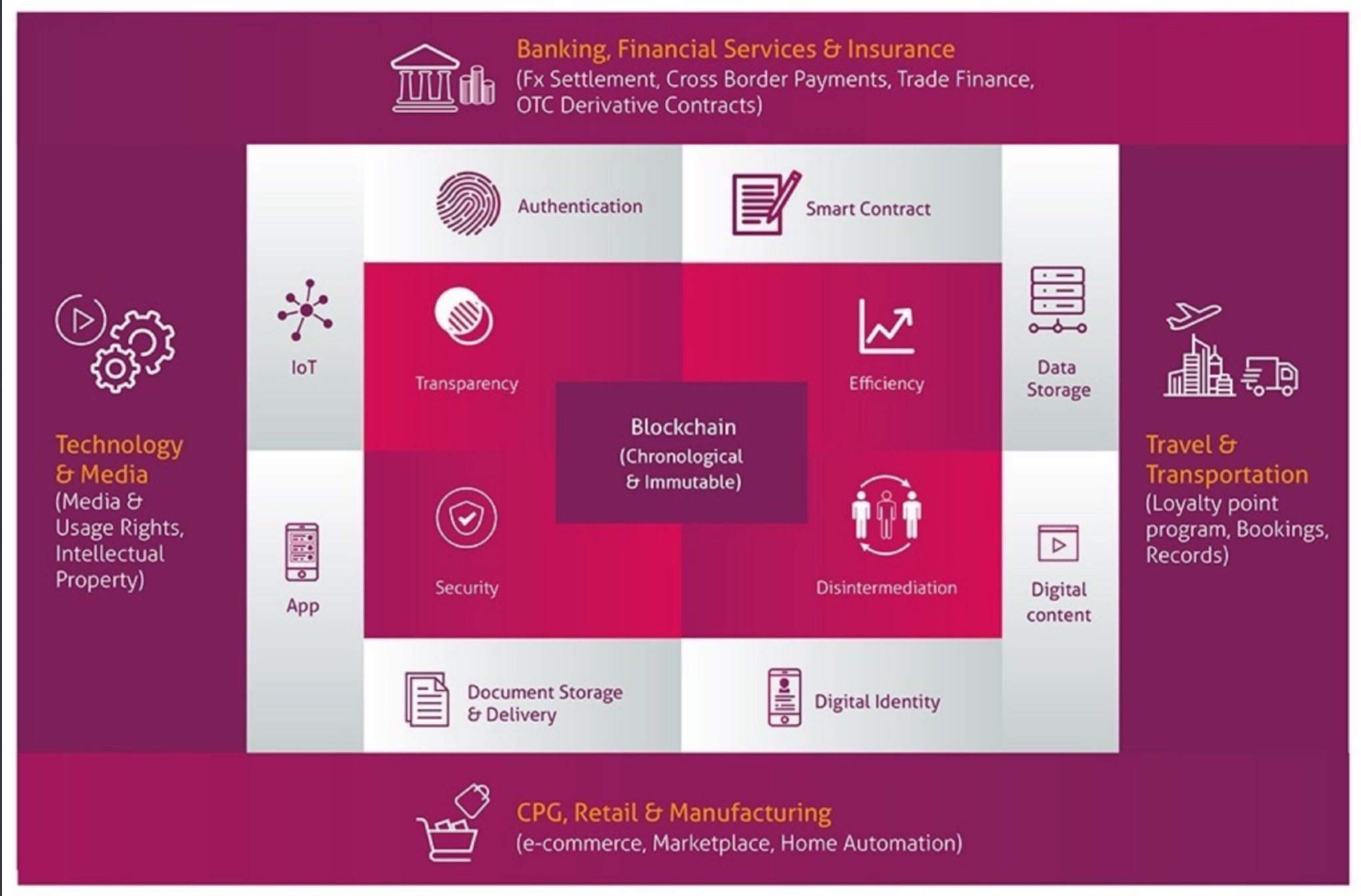


ML...



AI...

BlockChain & IoT



(F) Fault Management /

Управление отказами

(C) Configuration Management /

Управление конфигурацией

(A) Accounting Management / Учёт

(P) Performance Management /

Управление производительностью

(S) Security Management /

Управление безопасностью



www.saymon.info