Open-source и человечество: win-win сотрудничество

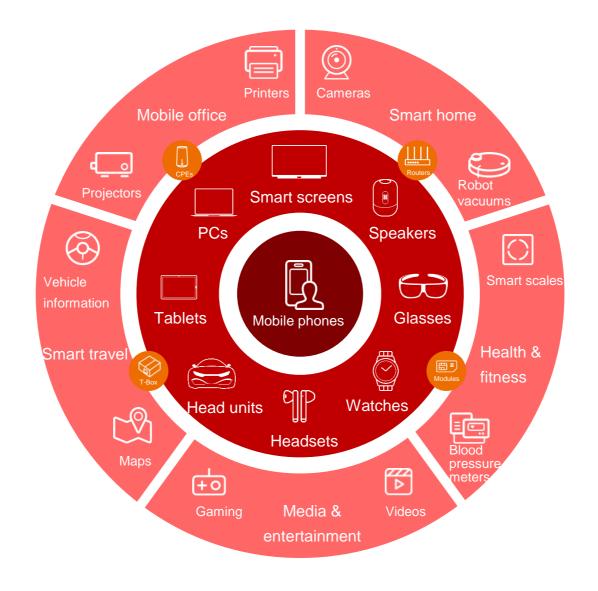
Vladimir Rubanov CTO Software Engineering Huawei R&D Russia



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Современный мир: человек в плотном кольце устройств





Четвертая индустриальная революция ускоряет наступление интеллектуального мира

The 4th Industrial Revolution



Intelligent technology

Digitalization across industries

Digital opportunities in 2025



Sources: Huawei GIV 2025, Digital Spillover

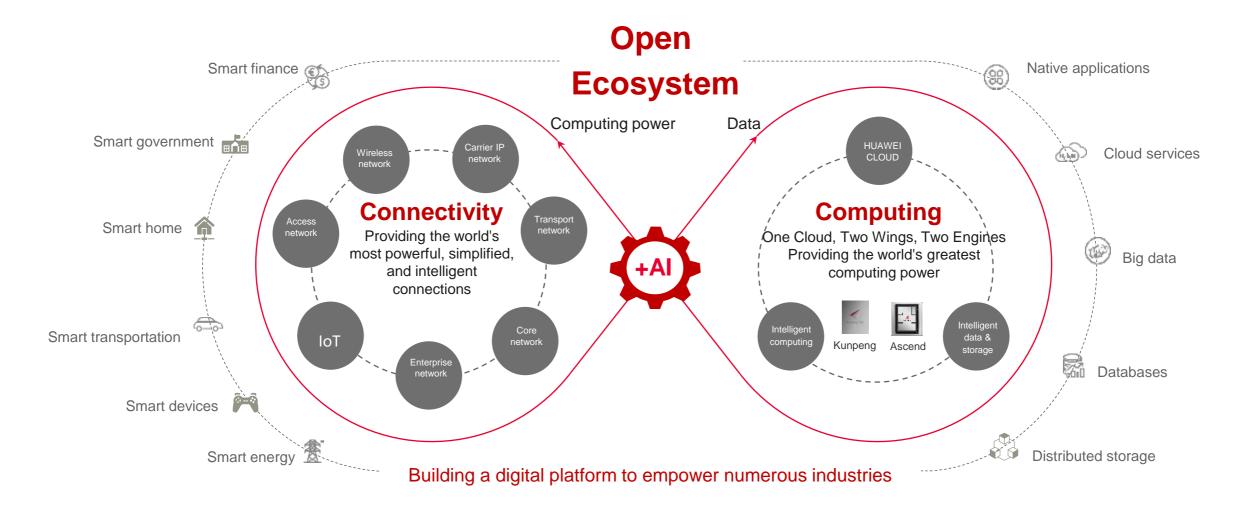


All things connected

Data goes online to power machine intelligence



ИКТ-инфраструктура как фундамент человеческой деятельности



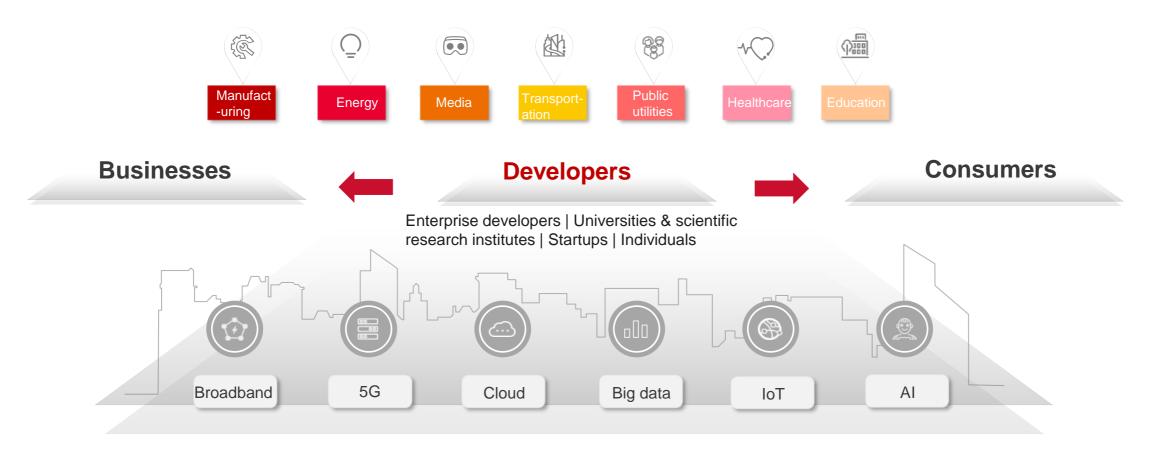


Программное обеспечение становится центром мира



А его открытость начинает быть необходимым условием доверия и распространенности

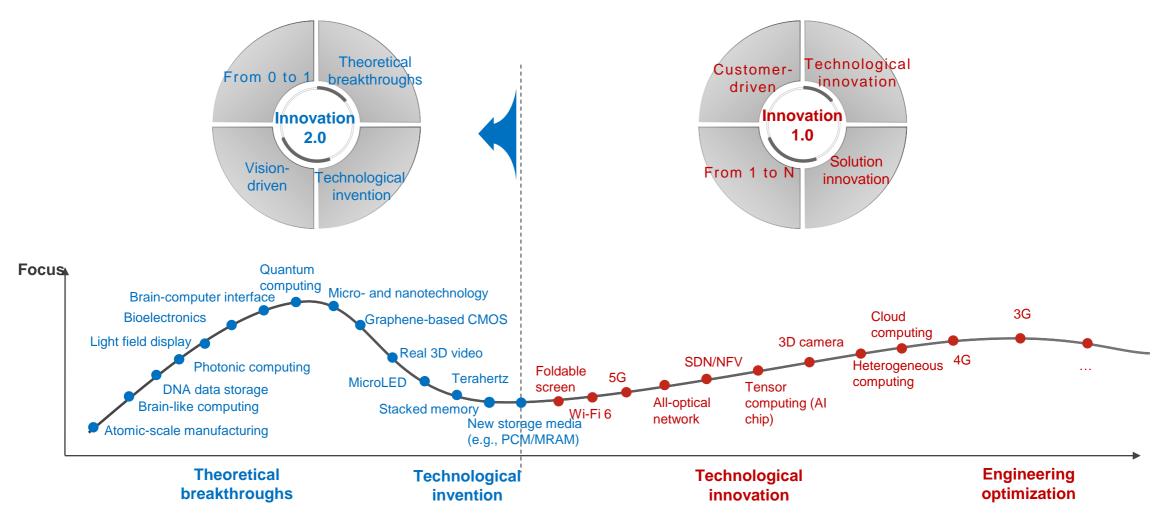
Разработчики становятся ключевым элементом!



- Developers are playing a key role in industry digitization by inventing new digital technologies like cloud, AI, and 5G and turning them into industry applications.
- All countries should vigorously cultivate developers and build up software development capabilities.

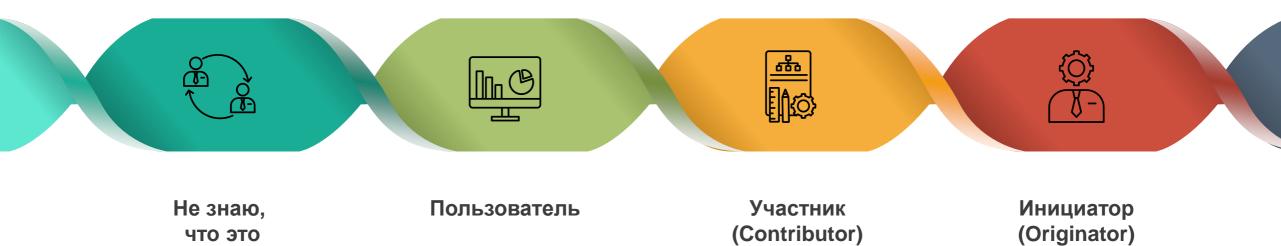


Innovation 2.0: фокус на стадии «от 0 к 1»





Эволюция open-source мышления



We HUAWEI

Некоторые открытые проекты, инициированные Huawei





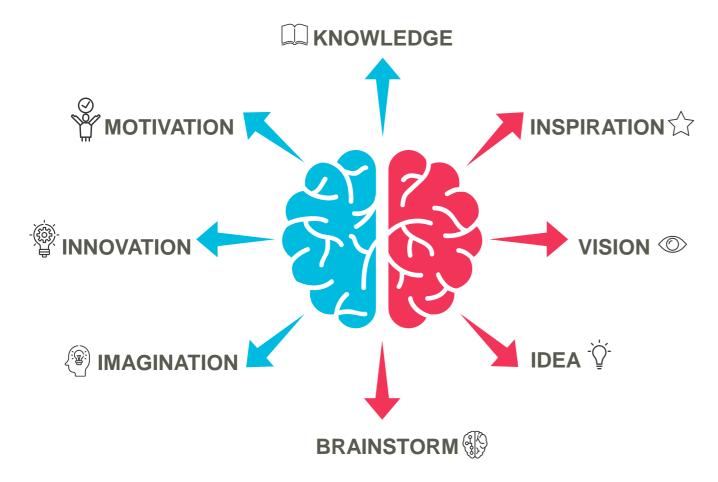
Стратегия Huawei: открытие hardware и software для создания совместной с партнерами экосистемы

App porting to Huawei supports the porting of mainstream apps and software Applications new eco-systems free of charge AI Framework Open source Al framework (MindSpore) Middleware • Open source database (GaussDB OLTP standalone version), **Open source** which helps partners develop their own database products software Database • Open source operating system, which helps partners develop their own OS products **Operating System** Atlas modules and accelerator cards, which partners can use to develop own intelligent industry solutions Integrated Equipment **Open hardware** Motherboards and components like SSD, NIC, and RAID, which Components partners can use to develop their own components or servers **Motherboard** Huawei's Architecture innovation; processor R&D business focus Chips



Partners

Huawei



Ореп Source двигает науку и инновации

Open Source

развивает образование и глобальный обмен знаниями

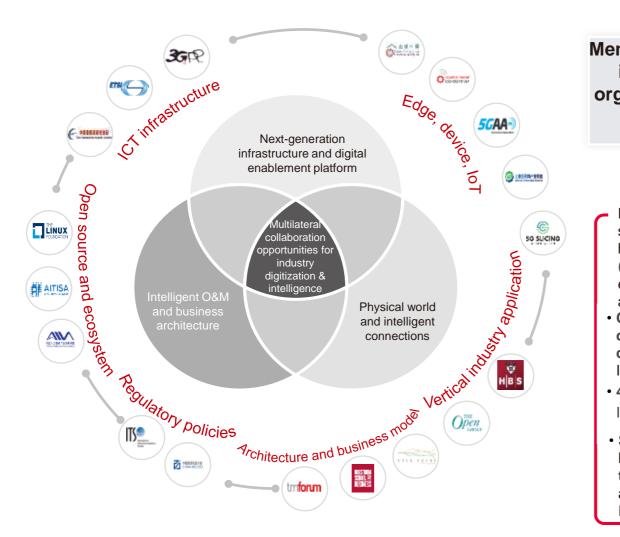


Huawei тесно интегрирован с общемировым open source сообществом





Открытые стандарты тоже важны



Membership in industry organizations 400+

Key positions 400+

Standards contributions 60,000+

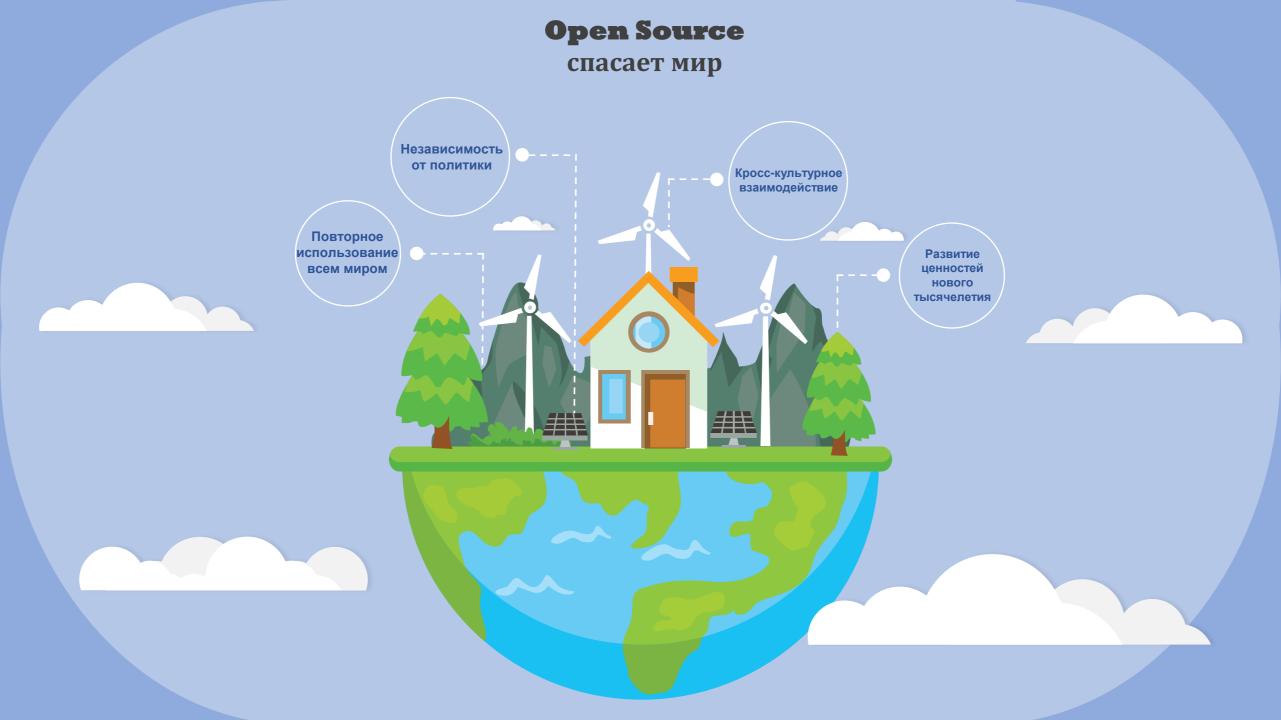
Focus on ICT infrastructure and smart devices, build core technical strengths using innovative technologies, build a favorable and healthy environment, and drive consensuses in cutting-edge fields (e.g., devices, computing, connectivity, semiconductors, IoV, and energy) through various means, like standards, policies, alliances, and open source ecosystem.

• Collaboration with 400+ industry organizations: Systematically deepen relationships with key organizations and pursue in-depth communications and strategic collaboration with 3GPP, ETSI, IETF. IEEE. ITU. IIC. TMF. CCSA. and All.

• 400+ key positions: Board member of IEEE-SA, BBF, ETSI, TMF, IETF, Linux Foundation, and CCSA

• Support collaboration regarding **5G**, **AI**, **industrial Internet**, **video**, **broad IoV**, **and intelligent computing** in the following areas: **transformation paths and methods**, **digital application architecture**, **test bed**, **new business models**, **and case studies**. Promotes collaboration across industry organizations.





Open-Source – основа международной научно-технической кооперации XXI века



Bring digital to every person, home and organization for a fully connected, intelligent world