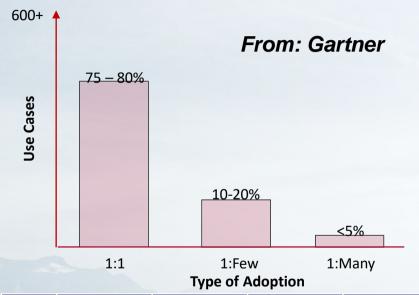




碎片化严重是行业面临的最大挑战 The market is slowly revealing its true value, but highly fragmented and customization heavy



	Overall	B2C	B2B (Asset-intensive)	B2B (Non-asset-intensive)
CAGR	31.9%	40.2%	18.6%	28.0%

Market Observations

- Number of IoT use cases is still growing rapidly;
 600+ B2B use cases tracked by Gartner
- Very few use cases have achieved replicated adoption yet (1:many > 20 customers)
- **Highly fragmented market** with 400+ players
- Market players seeking market share through pilot/incubation programs, partnering and aggressive discounting policies
- Most customers still lack converged IT/OT sourcing capabilities and governance which lengthens sales cycles and slows market adoption

聚焦可规模复制的场景和案例,为最终客户提供价值 must focus on fewer <u>replicable</u> use cases to ensure expected ROI



OT产业面临诸多挑战,OT与ICT融合,合作共赢是产业的共同期望OT heavy industries like manufacturing face manifold challenges, OT and ICT collaboration in cross-industry ecosystem

Gartner Predicts

- By 2020, 25% of midsize organizations engaging in digitization strategies will collaborate in **cross-industry ecosystem initiatives**, up from 10% in 2018.
- By 2021, the effectiveness of manufacturing IoT initiatives will be **tracked by business outcomes** continuously through their life cycle, up from less than 20% today.
- By 2022, more than 50% of all people collaborating in industrial IoT ecosystems will utilize virtual assistants or intelligent agents.

Customer Experience
omes
om less than

Costs

Revenue

Customer Intimacy

From: Gartner

Business Models

HUAWE

Challenges

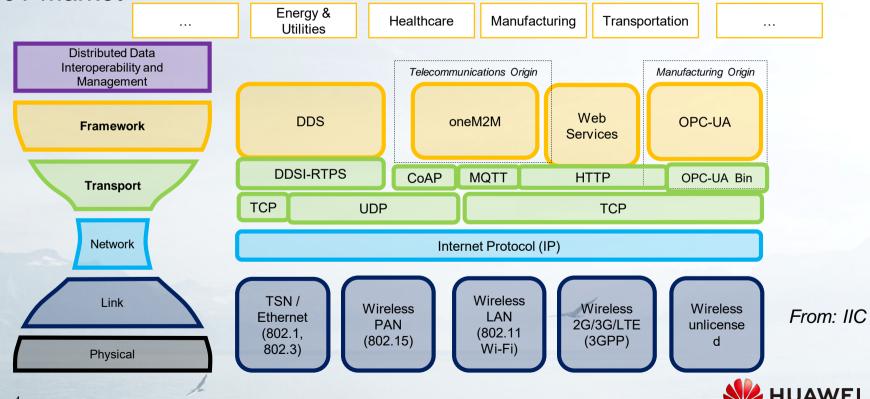
Platform and Ecosystem

Quality and Design

产业界共同探讨工业互联网时代新的技术架构

The industry coming together to explore new architecture for new industrial

IoT market



面对行业诸多挑战,华为提供连接和使能平台,联合合作伙伴,面向工业企业提供基于工业场景的解决方案

Huawei Provides an Enabling Platform and Connectivity, With Joint Partners to Provide the Solutions for Industrial Enterprises

工业场景解决方案

Industry-wide and Across Domain Solutions for Industrial Enterprises







使能平台 - FusionPlant

Enabling Platform - FusionPlant



连接 - 5G/LTE-U/LTE/EC-IOT/WLAN

Connectivity - 5G/LTE-U/LTE/EC-IOT/WLAN



工业智能服务: 华为数字化经验, 助力企业进入智能化时代

Industrial Intelligence: enabling customer intelligent Enter the Intelligent Era













基于企业智能EI,构筑普惠智能体

Build a common smart entity based on the smart El of the enterprise.

企业智能的使能技术 Enterprise Intelligent Enablement Technology



优化动态规划算法,拓 展应用领域:货物装箱 路径规划等

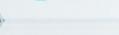
最优求解算法



语音识别 Voice recognition

业界高性能语音识别 引擎

语音识别, 机器学习技术



图像识别 Image recognition

基于深度学习的图像识别 技术,手写数值识别准确 率超过**97%。**

OCR单据识别技术



驱动企业业务增值 Driving Enterprise Business Value Increase

实时处理 Real-time processing

于流处理技术,实现实 |分析引擎,构建实时决 |能力。

实时决策引擎

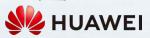


多维分析 Multidimensi onal analysis

具备千万维数据分析 能力,实现复杂因素 场景下的快速分析。

多场景图像重建





5G预计能满足70%以上工控场景,无线创新服务工业互联,连接人机物,助力未来无线工厂

5G wireless innovation service industrial connectivity, connecting people, machine and things, expected to cover 70% industrial automation scenarios

│运动控制 motion │机器间控制 Inter- │移动面板 Moving │移动机器人 mobile 大规模连接 Large │ T业AR及监控 场景 use case control machine control **Panel** robot connection AR& monitor 对5G诉求 request uRLLC **eMBB** uRLLC uRLLC uRLLC **mMTC** to 5G

华为5G创新亮相 2018汉诺 威自动化展 Huawei's Innovatio n in 5G at 2018 Hannover 华为和SMART FACTORY 联盟联合展示 Joint innovation with SMART FACTORY



华为展台基于5G低延时的稳定球展示 showcased the stable ball based on the 5G low latency.



华为和BECKHOFF联合 展示机械臂同步性 Joint innovation with BECKHOFF





华为eLTE-U工业无线专网助力生产不间断运行

Huawei eLTE-U Solution Enables Uninterrupted Hours Production









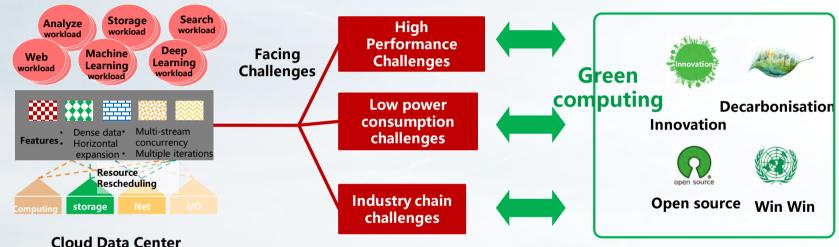








数字经济对计算提出越来越大的需求,绿色计算满足产业诉求
The digital economy raises increasing requirements for computing,
Green Computing enable the industry in the Future



Open Edge+HPC
Initiative Alliance

Technical seminar collaboration

Product Promote collaboration

Ecosystem collaboration



华为积极参与产业组织构建,推动产业发展

Huawei Actively Participates in the Construction of Industrial Organizations to Promote the Industry Development



- · 华为是AII产业联盟的核心成员和贡献者
- 担任了联盟副理事长、副秘书长、和多个工作组主席
- 是工业互联网参考架构、测试床、工业 互联网白皮书等核心贡献者
 - · Core member and contributor
 - As deputy chairman, deputy secretary general, and chairman of several working groups
 - Core contributor to IIRA, Test Bed, and Industrial Internet White Paper.



- 华为是**SC执行委员会成员**,并担任**多个** 工作组主席
- 贡献了国内的第一个测试床
- 是<mark>网络组、边缘计算组、数据分析组等</mark> 核心贡献者
 - The member of the SC Executive Committee and serves as the chair of several working groups.
 - · Contributed to the first test bed in the china
 - Core contributors such as network groups, edge computing groups, and data analysis groups



- 华为是**发起单位**,联盟**业务设计和组织设** 计的主要贡献者
- · 担任多个工作组主席。
- · 是边缘计算参考架构1.0, 2.0的主要贡献者
- 联盟Testbed核心贡献者
- The sponsor, the main contributor to the organization design of the alliance business.
- · Serving as chair of several working group
- The major contributor to the Edge Computing Reference Architecture 1.0, 2.0
- · Alliance Testbed core contributor



我们的愿景和使命

把数字世界带入每个人、每个家庭、每个组织,构建万物互联的智能世界。

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

THANK YOU

THE ROAD TO

DIGITAL TRANSFORMATION

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