
Digital Economy Boulevard
Toward Green with Digital Innovation
Promote Green and Sustainable Development
Digital Economy Boulevard

Digital Technology Sustains Global Green and Sustainable Development

Irreversible impact on the natural environment

United Nations Framework Convention on Climate Change (UNFCCC)
Paris Agreement
2030 Agenda for Sustainable Development

Green and Sustainable development underpins corporate social responsbility

Green electricty

- Smart grid
- Facilitate access to new energy (solar, wind, etc.)

Accelerated industrial upgrading

- Data interconnection, cloud office
- Accelerate the transformation and upgrading of enterprises and organizations

Value chain and ecosystem shaping

- Waste tracking management
- Resource utilization efficiency enhancement

- Intelligent monitoring and management, digital twin
- Energy consunption efficiency optimization

- 10 times leverage effect in ICT industry
- Empower traditional industries for decarbonization

- Product carbon footprint tracking
- Full lifecycle management
- Enable targeted emission reduction

Toward Green with Digital Innovation, Shaping A Better Future Together

Green campus
Green manufacturing, office and R&D
Green ecology

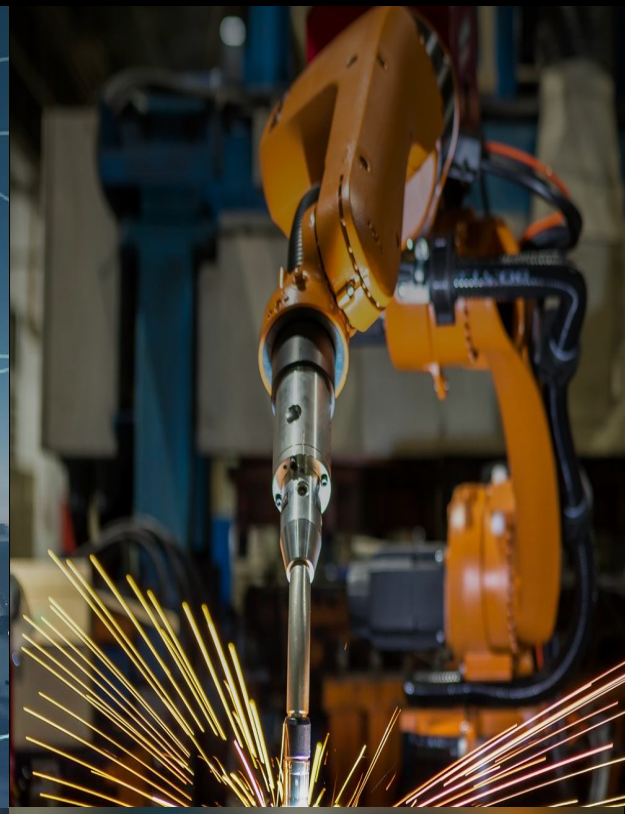
Green Operation

Green procurement
Green logistics & recycling

Green Supply Chain

E2E green solution
Energy saving in RAN
and data centers

Green ICT Infrastructure



15 typical verticals
100+ innovative 5G application scenarios

Green Empowerment

Green Operation – Building A Benchmark Enterprise of Green Development

Green Office

Annual electricity savings
21,56M kWh

Paperless

Cloud office

Online meeting

Green & Smart Campus

Power reduced 51,71M kWh

PV power generation 2.57M kWh

Precise air-conditioning control

Air & water pump frequency conversion

Roof photovoltaic power generation

Green R&D

Annual electricity savings
2,287M kWh

Energy consumption graded control of lab equipment

Power saving remote control

Device smart power saving

Green Manufacturing

Annual electricity savings
2,322M kWh

Dark factory mode

Intelligent optimization of high temperature aging

Intelligent transformation of equipment for power saving

Green Supply Chain – Collaborative Emission Reduction from the Source

Green Procurement

109 suppliers received carbon emission audit

Green Logistics

Packaging weight reduction, 62% YoY decrease for airfreight

Green Recycling

Build carbon emission model to improve
3R (Reduce, Reuse, Recycle) capability

Green ICT Infrastructure —— E2E Green Solution

Green Data Cener

IEC power savings **60%**

Liquid cooling PUE lowered to **1.13**

Green Energy Introduction

Generation

Full scenarios solar on site

sPVs increase **20%+** power generation

Storage

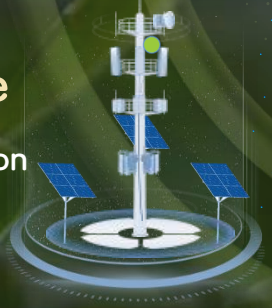
Intelligent Energy Storage

SmartLi reduces TCO by **30%**

Lead-acid & lithium batteries mixed use with AI-based easy O&M

Green Site

Intelligent shutdown/deep hibernation power savings **35%**

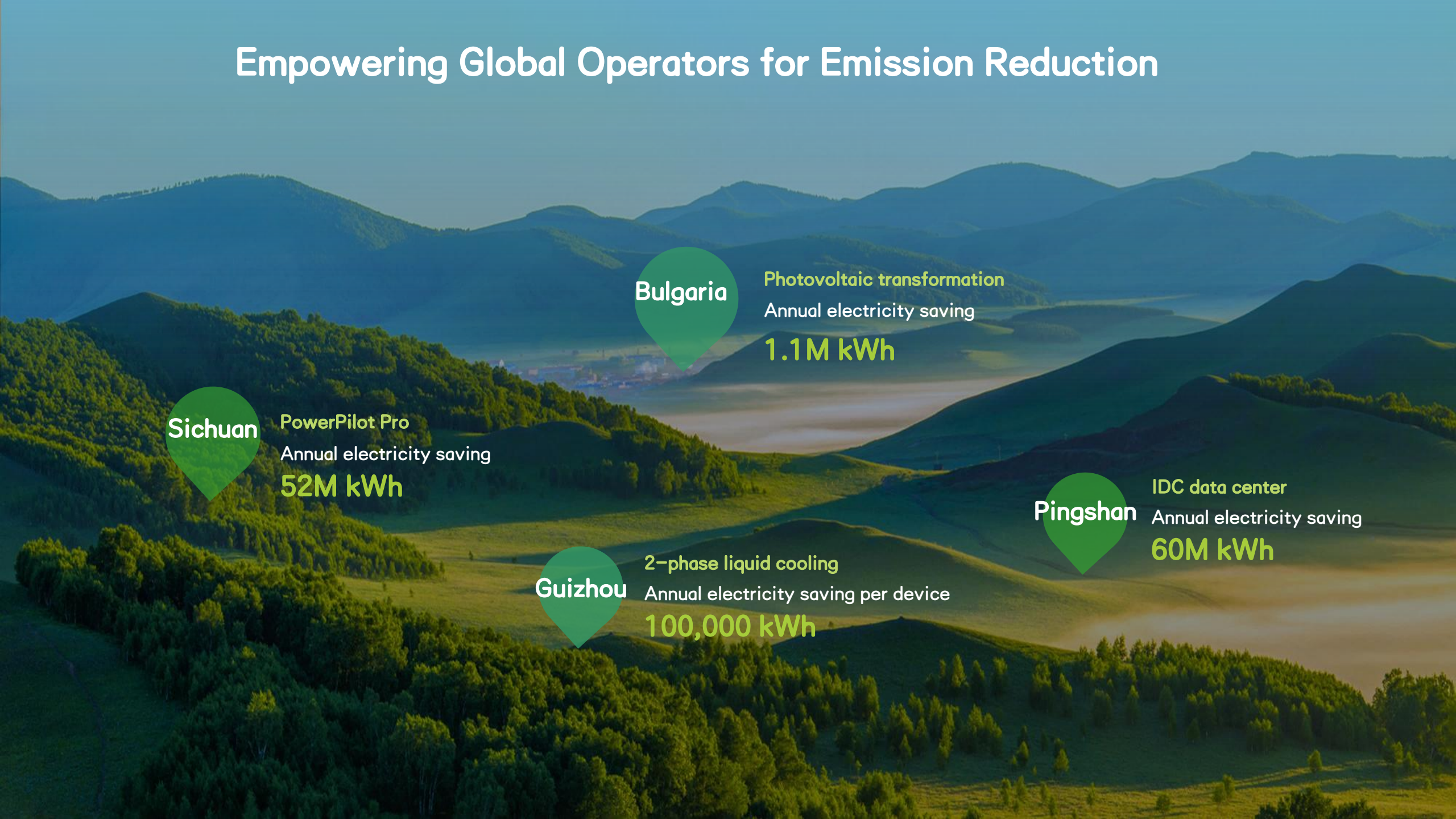


Use

1.5 million sites and **250,000** cabinet-scale data centers are commercially available around the globe

Annual electricity savings **10 billion kWh**

Empowering Global Operators for Emission Reduction



Decarbonizing Industries – Promoting Sustainable Development for Verticals

15+ verticals **100+** 5G inovative application scenarios

Manufacture

Global 5G Intelligent Manufacturing Base

9.3%

Energy consumption reduction per product

Steel

Ansteel Bayuquan

1.9%

energy consumption reduction per ton production

Electricity

China Southern Power Grid

4 times

New energy access capacity increased

Metallurgy

Yunnan Shenhuo Aluminium

90M+ kWh

Annual electricity savings

Joining SBTi to Promote Global Green Development with Technological Innovation

Long-term goal

net-zero by 2050

Scope 1 & 2 absolute emissions reduce by **90%**

Absolute emissions reduce by **90%**

or emission intensity reduce by **97%**

Short-term goal

5~10 years

Scope 1&2 annual average linear decline rate of absolute emission **≥4.2%**

Scope 3 annual average linear decline rate of absolute emission **≥4.2%**

or compound annual decline rate of emission intensity **≥7%**

ZTE received "A-" rating for its leading climate action from Carbon Disclosure Project (CDP) and is rewarded 2022 Environment Leadership Award by CDP China

ZTE received ISO14064-1:2018 Greenhouse Gas Emissions Verification Statement Certification in April of 2022

Green Outlook – Continuing to Contribute to Sustainable Development

Building a Green High-Tech Enterprise with Net Zero Emissions as the Goal

Carbon management mechanism optimization

- Establish an electricity quota mechanism to reach emission reduction targets
- Internal carbon pricing for promoting innovative carbon emission

Accelerate the switch to renewable energy

- Actively use green electricity transactions, green certificates and other channels for acquiring new energy
- sPV full converage of campus roof

Explore carbon offsets & carbon removal

- Buy carbon credits, invest in emission reduction projects
- Achieve carbon neutrality from products, campus, to enterprise

Adhere to Technology Innovation Empowerment for the Benefit of Society

Continue to reduce power consumption per bit

- Integrate networking, computing, digitalization, and intelligence to help industries move toward green and sustainable development

Build a green empowerment ecosystem

- Contribute to carbon reduction solutions, practice models, technological advancement, and standards in collaboration with partners

Low carbon technology innovation

- Low-carbon product R&D
- Eliminate carbon by technical means


Digital Economy Boulevard
To Enable Connectivity and Trust Everywhere
Digital Economy Boulevard