

# SenseTime Practice: AI for Sustainable Development

**Ben Tian**  
Dean of SenseTime Intelligent Industry Research Institute  
[tianfeng@sensetime.com](mailto:tianfeng@sensetime.com)

# AI Sustainable Development Ecological Alliance:

For technology and physical enterprises, think tanks, universities, NGOs



**Let AI sustainable development lead human progress!**

AI  
Ethics

AI  
Inclusive

AI  
Industrialization

AI  
Trustable

## 1. Human well-being and capabilities

**SDG1:** The Silk Road Economic Belt Regional headquarters located in Chengdu  
**SDG3:** "Art x AI" Art Exhibition in Shanghai  
**SDG3:** Forbidden City AI + AR Interactive Exhibition  
**SDG4:** Published AI science textbooks for elementary and junior high schools  
**SDG12:** Smart Cabin Security

## 2. Sustainable and fair economy

**SDG10:** AI Teaching Course in Jinzhong, Shanxi Province  
**SDG17:** Eurasian AI research and industrial cooperation

## 3. Food systems and nutrition models

**SDG2:** "Smart Agriculture" and "Future Factory" built by SenseTime

## 4. Energy decarbonization and its popularization

**SDG7:** Self-driving new energy vehicles prepared for the Winter Olympics

## 5. Urban and the development of suburban

**SDG8:** AI Vocational Education in Guangdong-Hong Kong-Macao Greater Bay Area  
**SDG9:** Ship image recognition security system  
**SDG11:** Building Smart Communities and Face Recognition Standards

## 6. Global Environmental Commons

**SDG6:** Application of Intelligent Remote Sensing Image Analysis in Hydrometeorology

## SenseTime Practice



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SenseTime locates the functional headquarters in Chengdu's Belt and Road region. Its business in Chengdu covers various industries including smart city, smart hardware, transportation, real estate, finance, and education industry and surrounding provinces such as Sichuan, Yunnan, Shaanxi, Guizhou and Xinjiang. It promotes the sustainable development of the mainland economy through AI.

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## ○ SDG: End poverty in all its forms everywhere

## ○ Entry point for transformation: the well-being and capabilities of human beings

- To promote human well-being (including material well-being, health, education, voice, access to a clean and safe environment, and resilience) is the core of the transition to sustainable development.
- All stakeholders should provide and have universal access to quality basic services (health, education, water, sanitation, energy, disaster risk management, information and communication technology, housing and social security), and should pay attention to poor and highly vulnerable areas
- The government should ensure equal opportunities, eradicate legal and social discrimination, invest in building human capacity, empower everyone to shape their lives, and bring about change for the entire society.

# SDG2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture

## SenseTime Practice



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SenseTime and Huajing Zhinong signed a core strategic cooperation agreement. Through the cooperation in the agricultural industry chain, SenseTime was committed to the implementation of "smart agriculture" and "factory of the future" to promote the development of sustainable agriculture.

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## ○ SDG: End hunger, achieve food security and improved nutrition and promote sustainable agriculture

### ○ Entry point for transformation: food systems and nutrition models

- The global food system is made up of many local and regional food systems, including both food production and all food-related activities and the way these activities interact with natural resources and processes on the planet.
- All stakeholders should strive to make substantial changes to existing infrastructure, policies, regulations, norms and preferences in order to transition to the food and nutrition system that promotes universal health and eliminate malnutrition while minimizing its impact on the environment.
- Countries must be responsible for the entire value chain associated with their food consumption in order to improve quality, build resilience and reduce environmental impacts. At the same time, developed countries should support the sustainable development of agriculture in developing countries.



## SenseTime Practice



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SenseTime held the “Art x AI Series Art Exhibition” at the Shanghai Contemporary Art Concept to promote the integration of technology and art, and raise the awareness of the development of AI technology for different social groups. The AI algorithms provided by SenseTime Technology allows China to promote the "smart phone" technology to millions of families, which is conducive to the well-being of users of different ages.

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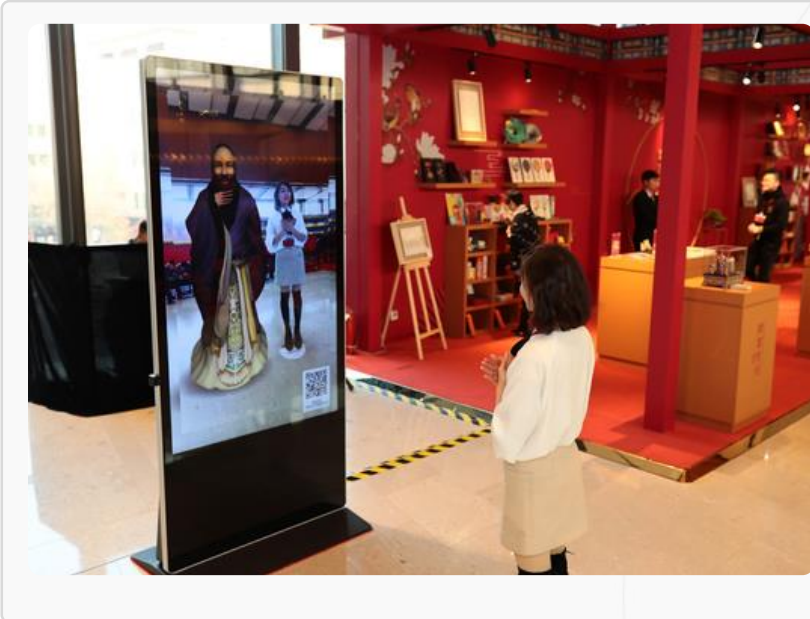
○ **SDG: Ensure healthy lives and promote well-being for all at all ages**

○ **Entry point for transformation: the well-being and capabilities of human beings**

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Note \*: The Entry point for transformation comes from the classification of *the Global Sustainable Development Report*

## SenseTime Practice



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SenseTime cooperates with the Forbidden City culture to integrate innovative artificial intelligence technology with traditional Chinese culture. Through interactive exhibition experiences, the participating audiences could embrace traditional Chinese culture in a form attractive to young people, which helps to bring new vitality to traditional culture.

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○ **SDG: Ensure healthy lives and promote well-being for all at all ages**

○ **Entry point for change: human well-being and capabilities**

- The promotion of human well-being (including material well-being, health, education, voice, enjoyment of a clean and safe environment, and resilience) is at the core of the transition to sustainable development.
- All stakeholders should have universal access to and access to quality basic services (health, education, water, sanitation, energy, disaster risk management, information and communication technology, adequate housing and social security), and be targeted while being universal. Focus on where poverty and vulnerability are concentrated.
- The government should ensure equal opportunities, eradicate legal and social discrimination, invest in building human capacity, empower everyone to shape their lives, and bring about change for the entire collective.

Note \*: The Entry point for transformation comes from the classification of *the Global Sustainable Development Report*

# SDG4: Ensure inclusive and equitable quality education, and lifelong learning opportunities for all

## SenseTime Practice



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SenseTime released China's first set of artificial intelligence textbooks covering all ages of K12, which brought the opportunities for the popularization and inclusiveness of AI, narrowed the gaps among people caused by different digital capability, and promoted lifelong learning for all.

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○ **SDG: Ensure inclusive and equitable quality education, and lifelong learning opportunities for all**

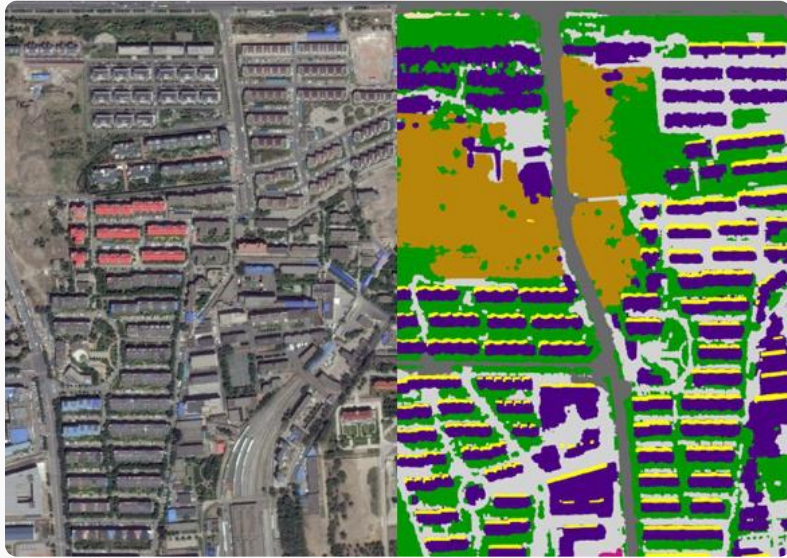
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## SenseTime Practice



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SenseTime promotes the application of AI in the intelligent interpretation of remote sensing images. It has already established various strategic partners, including the National Satellite Meteorological Center, the former National Surveying and Mapping Geographic Information Bureau Satellite Surveying and Mapping Application Center. It also supports relevant government departments of the AI application in hydrology, meteorology and other fields.

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○ **SDG: Ensure availability and sustainable management of water and sanitation for all**

○ **Entry point for transformation: global environmental commons**

- The global environmental commons include the atmosphere, hydrosphere, global oceans, cryosphere, polar regions, large-scale biomes, and natural resource systems such as forests, land, water, and biodiversity. They constitute the common resources of the planet.
- Governments, local communities, the private sector, and international actors must urgently make the necessary changes to conserve, restore, and sustainably use natural resources while achieving the sustainable development goals.
- Governments must accurately assess environmental externalities, especially those affecting the global environmental commons, and change usage models through pricing, transfers, regulation, and other mechanisms.

## SenseTime Practice



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SenseTime launched an autonomous driving test field. In the future, it will provide corresponding technical solutions for local residents and even the Winter Olympics, so as to achieve applications of sustainable modern energy.

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○ **SDG: Ensure access to affordable, reliable, sustainable and modern energy for all**

○ **Entry point for transformation: energy decarbonization and its popularization**

- All stakeholders must ensure universal access to affordable and reliable modern energy services, to accelerate the provision of clean electricity in a cost-effective manner, while making clean cooking solutions a political priority and not cooking Use of traditional biomass. All stakeholders should use decentralized, renewable energy solutions, among others, to promote clean and reliable modern energy.
- International and national entities and stakeholders must work together to reshape the global energy system in order to transition to net zero carbon dioxide emissions by the middle of this century, to enable the global energy system to fully participate in the implementation of goals, through the introduction of carbon pricing and the phasing out of fossil fuel subsidies Way to achieve the goals of *the Paris Agreement*.

Note \*: The Entry point for transformation comes from the classification of *the Global Sustainable Development Report*

# SDG8: Promote lasting, inclusive and sustainable economic growth, as well as productive employment in full and decent work for all

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“ SenseTime Education fully enters the field of vocational education, and cooperates with the largest private vocational education company in the Guangdong-Hong Kong-Macao Greater Bay Area to promote the setting of AI general courses and professional courses to promote the cultivation of high-quality AI talents, thereby allowing more blue collar talents to achieve full employment and decent work. ”

○ **SDG: Promote lasting, inclusive and sustainable economic growth, as well as productive employment in full and decent work for all**

○ **Entry point for transformation: urban and suburban development**

- National governments should give cities autonomy and resources to enable cities to work with citizens who are both engaged and informed to make effective, evidence-based, and inclusive decision-making.
- National governments and local urban authorities should work closely with the private sector to promote people-centered poverty reduction policies and investments, build a livable city, provide decent and sustainable employment opportunities for residents, and sustainably popularize water, transportation, energy and sanitation And other key services and effectively manage all waste and pollutants. Individuals and communities should also be more involved in promoting sustainable urban development.



## SenseTime Practice



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SenseTime has reached a cooperation with the largest shipping company of Southeast Asia, to jointly develop a new type of ship image recognition and recording system to help crews better understand the environmental conditions of the shipping route, thereby ensuring safe operation and helping to prevent vessel collision accidents or timely avoid other navigational hazards. It improves the safety of ships at sea and reduces the risk of natural disasters through technological innovation.

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○ **SDG: Build disaster-resistant infrastructure, promote inclusive and sustainable industrialization, and encourage innovation**

○ **Entry point for transformation: urban and suburban development**

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SenseTime Technology created a "Jinzhong sample" in Jinzhong, Shanxi Province. It set up artificial intelligence courses in 35 high schools in the city, and built the first municipal artificial intelligence teaching base in China, thereby achieving the popularization samples of artificial intelligence technology in underdeveloped areas and promoting inclusiveness and equality of AI technology.

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## ○ SDG: Reduce inequality within and among countries

### ○ The Entry point for transformation: Sustainable and fair economy

- Governments, international organizations, and the private sector should work to encourage investment to better align with more sustainable pathways and promote divestment from less sustainable pathways.
- All stakeholders should work together to achieve a global decoupling of GDP growth from excessive use of environmental resources. Rich countries, middle-income countries and poor countries have different starting points and practices.
- Governments, with the support of civil society and the private sector, should promote upward convergence in living standards and opportunities, while reducing wealth and income inequality within and across countries.

Note \*: The Entry point for transformation comes from the classification of *the Global Sustainable Development Report*



## SenseTime Practice



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SenseTime Technology becomes the leader of the National Standard Working Group for Face Recognition Technology and promotes the establishment of industry standards and system, especially the implementation of the concept of AI inclusiveness, security and sustainable development in the industry.

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○ **SDG: Make cities and human settlements inclusive, safe, resilient and sustainable**

○ **The Entry point for transformation : Urban and suburban development**

- National governments should give cities autonomy and resources to enable cities to engage in effective, well-founded and inclusive decision-making with citizens who are both engaged and informed
- National governments and local urban authorities should work closely with the private sector to promote people-centered poverty reduction policies and investments, build a livable city, provide decent and sustainable employment opportunities for residents, and sustainably popularize water, transportation, energy and sanitation And other key services and effectively manage all waste and pollutants. Individuals and communities should also be more involved in promoting sustainable urban development

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SenseTime Technology promotes the intelligence of intelligent connected cars through the technology of smart car warehouses, thereby allowing cars to become a safe, convenient and comfortable second living space, and achieving sustainable consumption and production models.

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## ○ SDG: Ensure sustainable consumption and production patterns

### ○ The Entry point for transformation: Human well-being and capabilities

- The promotion of human well-being (including material well-being, health, education, voice, enjoyment of a clean and safe environment, and resilience) is at the core of the transition to sustainable development.
- All stakeholders should have universal access to and access to quality basic services (health, education, water, sanitation, energy, disaster risk management, information and communications technology, adequate housing and social security), and be targeted while being universal. Focus on where poverty and vulnerability are concentrated.
- The government should ensure equal opportunities, eradicate legal and social discrimination, invest in building human capacity, empower everyone to shape their lives, and bring about change for the entire collective.

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# SDG17: Strengthen the means of implementation and revitalize the global partnership for sustainable development

## SenseTime Practice



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Through comprehensive internationalization, SenseTime has established in-depth cooperation in Europe, Southeast Asia, Japan, the Middle East and other regions to promote the formation of global partnerships and makes AI governance and technological innovation the core issues of global sustainable development.

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## ○ SDG: Strengthen the means of implementation and revitalize the global partnership for sustainable development

### ○ The Entry point for transformation: Sustainable and fair economy

- Governments, international organizations, and the private sector should work to encourage investment to better align with more sustainable pathways and promote divestment from less sustainable pathways.
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**To Develop sustainable AI that positively  
contribute to economies, society, ecology  
and humanity!**

Ben Tian

(86)13911599641

tianfeng@sensetime.com