Partnering together for autonomous driving networks

From manual production to mechanization to electrification to today's automation and intelligence, each industrial revolution has driven human society to a new age of development.

Once we enter the AI-driven fourth industrial revolution, a qualitative breakthrough in productivity will be achieved, bringing revolutionary changes in production methods. In the automobile, aerospace, and manufacturing industries, the introduction of autonomous technologies is gathering momentum, spurring the rapid development of these sectors. In the ICT industry, which lies at the core of the information society, the demand for autonomous driving networks is even more pressing. As networks grow in scale and OPEX increases, structural issues in the industry are ever-more prominent.

As a significant contributor to the telecoms industry, Huawei is actively engaged in deliberating and exploring autonomous driving networks in partnership with operators and industry customers. The autonomous driving network is not a single product innovation, but an innovation in system architecture and business models. As such, the whole industry needs to collaborate to define clear standards to drive technological innovation and guide implementation.

Focusing on service experience and operating efficiency, Huawei has released a five-level standard proposal for evolving the telecom industry towards the autonomous driving network, and help upstream and downstream industries jointly explore how to arrive at this future network.

Huawei is also exploring innovation in the autonomous driving network in the spheres of wireless, broadband access, IP, optical networks and data center networks. The aim is to develop a simplified network oriented to user experience that will enhance network operation and maintenance efficiency and enable self-healing, autonomous networks.

Huawei unveiled its AI strategy in October 2018. As part of the strategy, Huawei aims to harness its full-stack, all-scenario AI solution to provide economical yet abundant computing power and make AI more inclusive through full-stack capabilities and all-scenario products and services.

It will be a long journey to reach autonomous driving networks. To make our dream a reality, the industry must work together and forge ahead. Huawei is committed to facing the complexity ourselves while making things simple for our customers. We will accelerate the deep integration of AI and telecom networks and develop autonomous driving networks to build a fully connected, intelligent world.

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