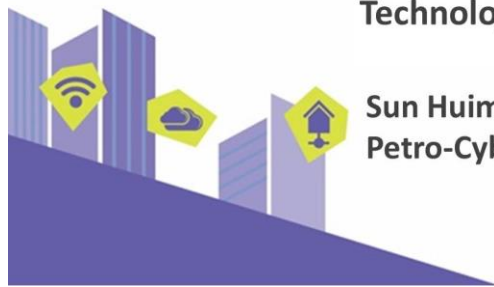


“The Technique for Surging Connectivity Value Steers Us towards the Era of Technology Commercialisation”



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Presentation summary:

1. The trend: Connectivity is handy
2. The key: Software redefines everything
3. The future: Intelligence-driven development

1. The trend: Connectivity is handy

The internet has brought forth huge revolution to the market; it does not only drive “everyone to everyone”, “everyone to everything”, and “everything to everything” interactions, but also usher the market into the era of real-time. In order to stand out in the world of virtual economy and physical economy, corporates must equip themselves with competent connectivity, otherwise they will be eliminated.

2. The key: Software redefines everything

With soaring technology development, the idea of IoT and big data will be maturely developed in a few years; the backend software that drives all these operations will redefine everything, including manufacturing facilities and models.

Ever since the Industrial Revolution, software has been playing a crucial role in the operation of manufacturing facilities. The technologies of yesteryear had built steel/metal parts, steaming control components, and electrical components, while the rise of the internet generates digital components, such as chip, and software appliances. Today, the largest electric vehicle and solar energy provider is using fully automated manufacturing factory. The evolution demonstrates that the more and stronger software, codes, and algorithm a factory utilises, the higher its level of automation

and intelligence.

Software also redefines manufacturing model. The previous manufacturing model that involves information, electronics, and machines is now transformed by CPS into a mix of physical factory and virtual factory that operates with digitalisation, the internet, and intelligence. Manufacturing features include information depth and sensitivity, smart decision-making, and precise control and self-execution, steering manufacturing to the phase of C2M customisation.

3. The future: Intelligence-driven development

The internet technology must not only be able to satisfy the demand of customisation, but also executes positioning, sensing, messaging, and controlling functionalities via comprehensive perception, reliable transmission, and smart processing for the sake of connectivity of anything at anytime anywhere. From the economic point of view, the global IoT productivity will grow from the current US\$4 billion to US\$11 billion in 2025. The scale of IoT development in China will reach RMB¥5 trillion, of which RMB¥1 trillion will be derived from industrial IoT with the most fierce competition among sensor and data transmission business sectors.

Looking beyond, the IoT industry in China in the next decade will be developed in three stages, including application innovation, technology innovation, and service innovation, and will focus on three major markets, namely public management and service, corporate application, and household application. To drive a robust IoT development, challenges of standards, industry integration, business model, and privacy should be overcome and with increased investment, innovation, demonstration, and policy support.

The end

To learn more, please watch the presentation video at [here](#).