

Nectec platform to facilitate IoT devices

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THE NATION

THE NATIONAL Electronics and Computer Technology Centre (Nectec) has created what it calls the NetPIE project, which provides a network platform that will facilitate the local development of Internet of Things (IoT) devices in support of the market. The agency expects the platform to enable the Thai development of one million IoT devices within the next three years.

Panita Pongpaibool said her Nectec research team had developed the NetPIE project for application developers and IoT developers.

NetPIE has been developed under the cloud, and is an open platform that supports various operating systems such as Linux, Raspberry Pi, Arduino, Android and iOS.

Application and IoT developers will benefit from using the NetPIE platform in various ways, such as reducing the time taken to develop their IoT products and devices, creating device coordination and discovery, as well as creating data and



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API (application program interface) integration for innovative series, she said.

“I think this offers a good opportunity for local developers to utilise NetPIE to develop their IoT devices and inno-

vative products to support the market and industries such as manufacturing, finance and retail. Moreover, the IoT developers will create productivity and innovative services such as distance medicine services,” Panita explained.

“NetPIE will also create productivity among developers to create new products and new developments to boost and drive the IoT industry in the Kingdom, by improving the efficiency of Thai developers and creating an IoT community,” she said.

“Meanwhile, it will result in future development to support private IoT community development in order to provide licences to enterprises.”

She added that NetPIE would provide connectivity, security and scalability in supporting developers to more easily develop IoT devices.

Nectec will provide the platform and developers will be able to register free of charge from September 16.

The development team also expects that within the next three years it will have been able to help create an IoT community capable of developing IoT entrepreneurs and local developers innovating around 1 million IoT devices to support the market.

Cisco has reported that with the world this year containing 7.2 billion people, connected devices have topped 25 billion units – or 3.47 connected devices per person.

In 2020, the global population will hit 7.6 billion and the number of connected devices will hit 50 billion, or 6.58 per person, said the US tech giant. Panita said her team in the first stage would be providing the NetPIE network platform as a public IoT platform for developers free of charge, before providing it as a private IoT platform in the next phase.