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NGC Systems Sdn Bhd's research into Next Generation Network (NGN) and Voice over Packets (VoP) technology will help narrow the gap between increasing commercial and consumer usage for Internet Protocol (IP)-based communication and telecommunication carriers. "Our two-year research on NGN has yielded positive results, and we have completed and begun to roll out key solutions, under our flagship suite called Genico™,"



Genico™'s core technology is centred on a carrier-class Open Communication Application architecture and IP-based technology. NGC Systems is focusing efforts in converting carriers from using a traditional copper-based Public Switched Telephone Network (PSTN) to NGNs, capable of delivering packetised data, voice, video and converged services, on both fibre optic and mobile infrastructure.

With its expanding team of engineers and communication specialists, has shifted its operations to Lot G3 Incubator 2, Technology Park, with approximately 2,500 square feet. To support its robust R&D activities, RM7.5 million has been set aside for a period of three years. In that period, NGC Systems will further its research into NGN solutions and packet-based services, for use in domestic and regional markets.

"We aim to be at communications technology's forefront. In our research, it is clear that telco operators and service providers need to adopt an open communication application architecture, enriched with Internet Protocol (IP)-based technology," said Chen. Towards this end Genico™ applications can be contiguously and rapidly deployed, over a wide geographical area with minimal manual interference.

Genico™'s hybrid design is also specifically engineered for interoperability, with major telecommunication technology components. NGC Systems' range of carrier-class solutions, under the Genico™ umbrella, are intended for telecommunication providers, service providers, rural telecom companies, high-speed data service providers, mobile device makers, and multi national corporations.

An increasing number of telecommunication carriers are investigating Internet telephony, which has become popular over in the recent years. According to Chen, carriers are adopting Internet telephony as a way to drastically reduce traffic costs on international and long-distance calls. This is surprising, as Internet telephony has suffered due to its poor reputation during its formative years in the late 90s. Internet telephony is based on Voice over Internet Protocol (VoIP) technology. "This is only the beginning. We foresee the next wave will see the popularity of wireless or mobile VoIP and we'll be in the middle of it," said Chen. "The next five years will be illuminating for us."