

V350 - Centec Open SDN Platform

Centec Networks (SuZhou) Co. Ltd
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About Centec



■ Ethernet switch silicon company

- Founded in 2005/03
- Headquartered in SuZhou China
- 150 employees, with 110 engineers
- Merchant Silicon enable SDN – Silicon with Solutions

“Centec Networks might be the biggest startup
you have never heard of.”

- Bob Wheeler, Linley



V350 – Centec New Open SDN Platform



■ 48xGE + 4x10GE + 2x20G Stacking Switch



■ Innovative N-Flow™ architecture

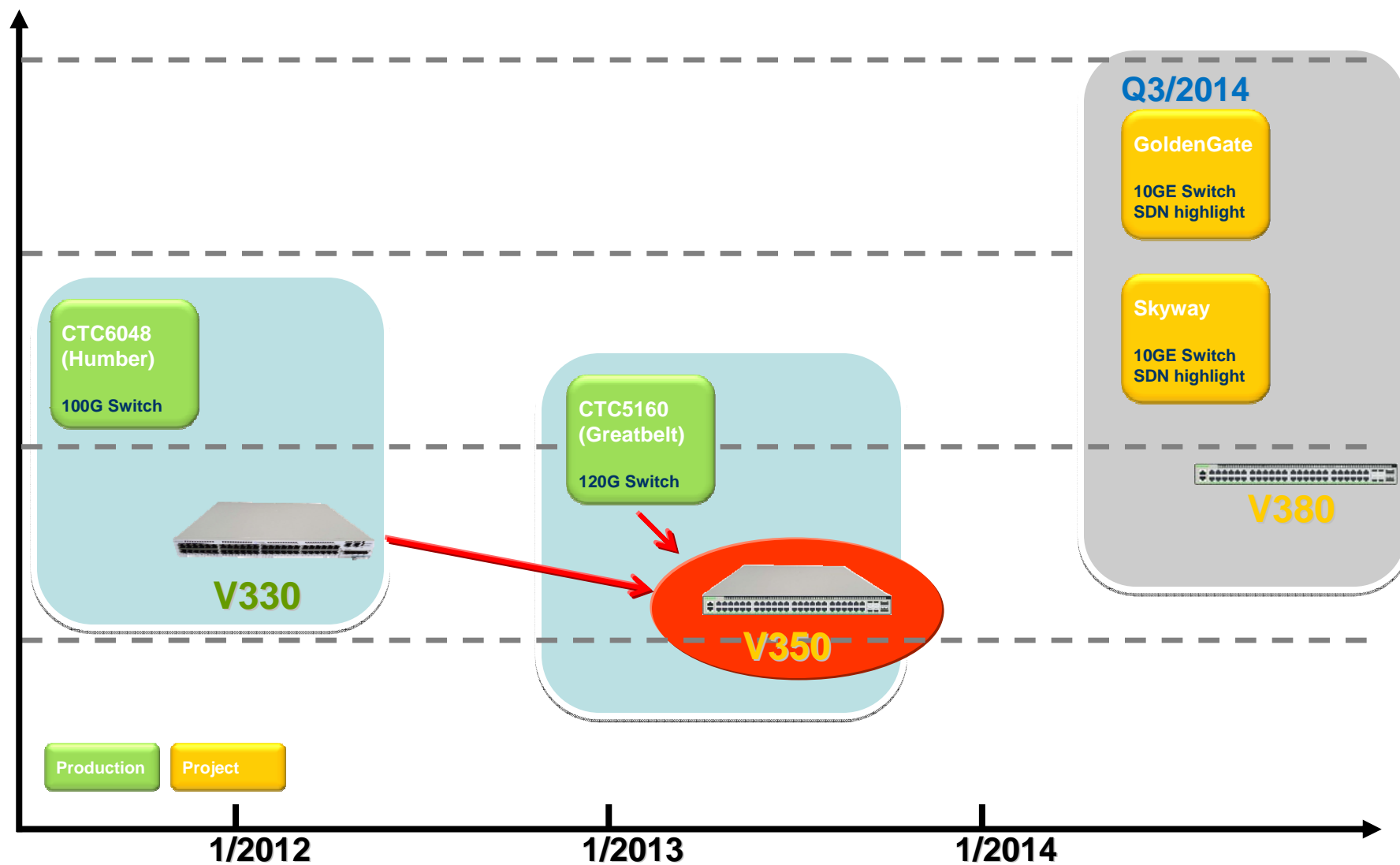
- Up to 2K L2+L3 wild card matching flows
- Up to 64K L2/L3 or 32K L2+L3 exact match flows

■ Advanced solution with industrial leading features

- OF 1.3 with 2 stage flow tables
- Flow Meter, Group Action, MPLS, Rewrite IP DA etc



Roadmap





Build on Considerable Foundations



■ V330 – Openflow solution with leading quality

- InCNTRE interoperability & ONF Plugfest
- Real Life Use Case & Customers
 - Policy Based Service Delivery
 - Security Load Balance
 - Hypervisor acceleration for Cloud



■ Greatbelt Silicon

- Designed for Openflow with N-Flow™ innovation
- 15W typical power
- Competitive cost





V350 Market Value



■ Geared towards mass market deployment

- Innovative technology
- Application for real life use cases
 - Policy Based Service Delivery
 - Security Load Balance
 - Hypervisor acceleration for cloud
 - and more ...
- Quality and stability
- Cost and power at commercial Ethernet Switch

■ Enable Open SDN Eco-system

- Enable customization and differentiation with Open SDK



Technology Novelty and Differentiations



- **Enabled by Innovative Switch Silicon “Greatbelt”**
- **N-Flow™ with large number of flows & multi-tables**
 - Up to 2K L2+L3 wild card matching flows
 - Up to 64K L2/L3 or 32K L2+L3 exact match flows
- **Powered by Open Software**
 - Open vSwitch with extension to support Openflow 1.3
 - Open SDK for further customization and differentiation



Push the Envelope of Openflow Switch



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- **Among first switches with HW Openflow 1.3 support**
 - Multi-flow, Group table, Meter, MPLS
- **Large number of on chip flows**
- **Cost, power & Quality**
- **Real life use cases**



Thank You for Voting Centec