

# Large-scale introduction of IPv6 system

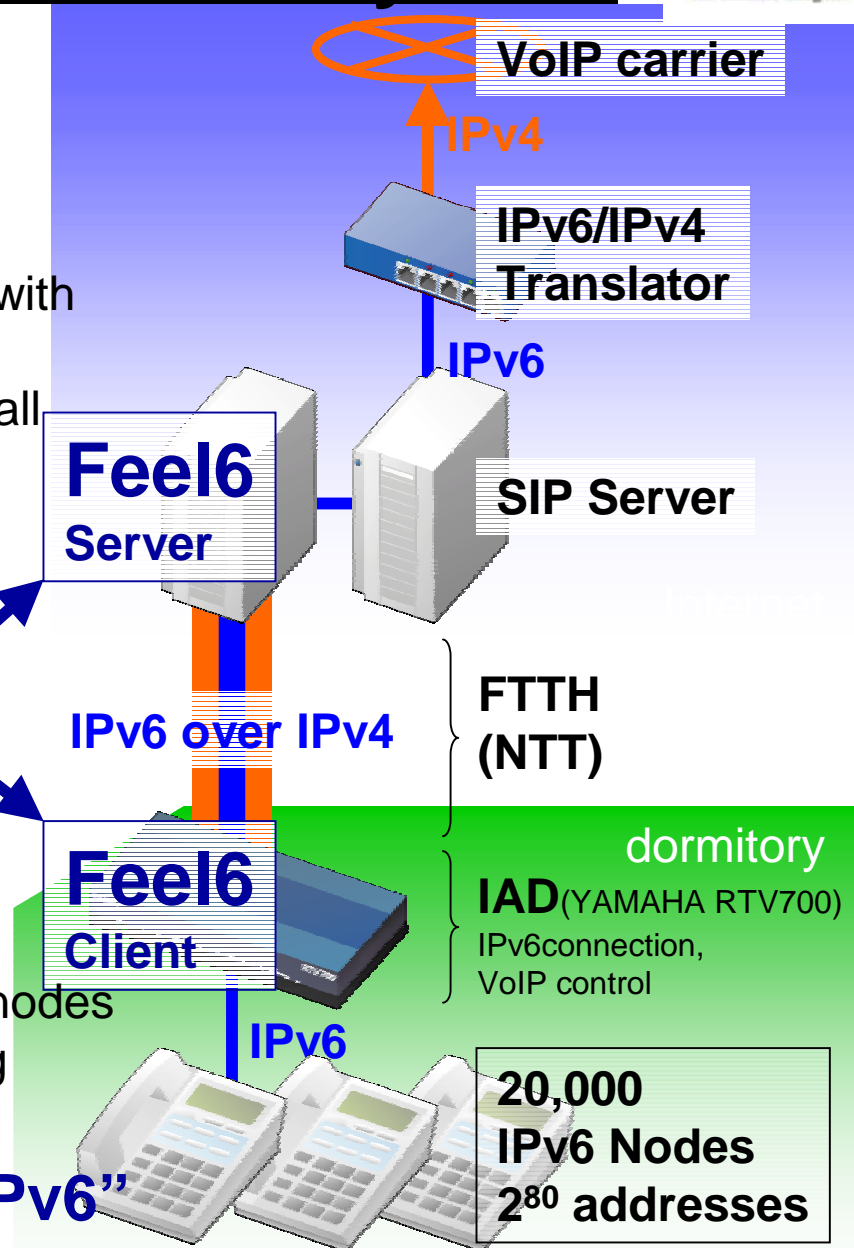
- **280** sites all over Japan
- IPv6 Node as many as **20,000**

The IP Centrex service, "IP Business Phone", developed by FreeBit, has got a major contract with Kyoritsu Maintenance, a nation-wide dormitory supplier. The IPv6 phones will be installed into all of their rooms, that is as many as 20,000.

Utilize a technology called, "**Feel6**", which enables secured IPv6 network over existing IPv4 network

- Easiness to design the address management scheme regardless the tremendous number of nodes
- Management of terminal versions by achieving the reachability to each terminal over Internet

**"Realized the cost reduction by IPv6"**



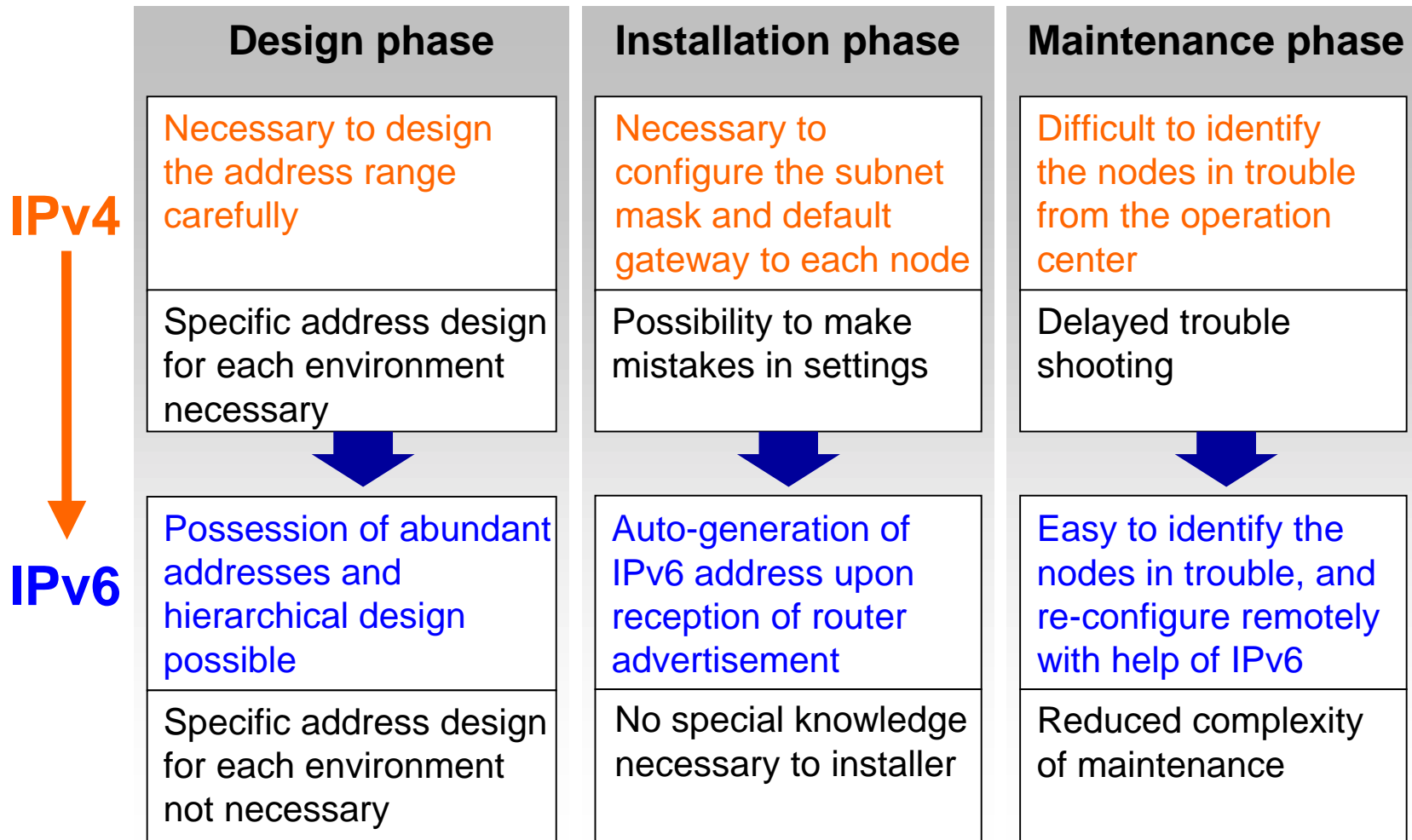


# Some additional information

- VoIP/SIP deployment using IPv6
- SIP/MIPv6 reference implementation
  - USAGI provides a reference implementation for Linux
- VoIP/SIP interoperability task force
  - Interoperability among providers
  - Welcome from oversea
  - Collaboration with MFN










# Cost reduction made possible by IPv6





# Significant reduction of network design steps

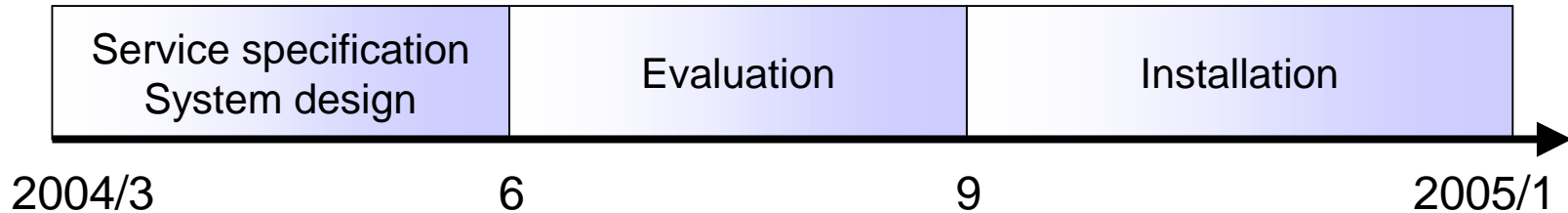
**IPv4**  **IPv6**

TEL	Configure phone number		TEL	Configure phone number
TEL	Configure default gateway			Not required
TEL	Configure subnet mask			Not required
TEL	Configure IP address			Router advertisement by IPv6
LAN	Configure VPN of router			Feel6 ID and PW
NET	Configure VPN			Feel6 ID and PW
NET	Configure network address			2 <sup>80</sup> addresses



# Launch of 20,000 nodes in a very short term

FreeBit Co., Ltd.



Abstraction of installation procedure into 3 patterns depending on the number of rooms, made possible by the easiness in IPv6 address design



Easy installation due to the auto-generation of IPv6 address



Realization of remote monitoring and quick maintenance of the nodes, made possible by fixed IPv6 addresses