

# Large-scale introduction of IPv6 system

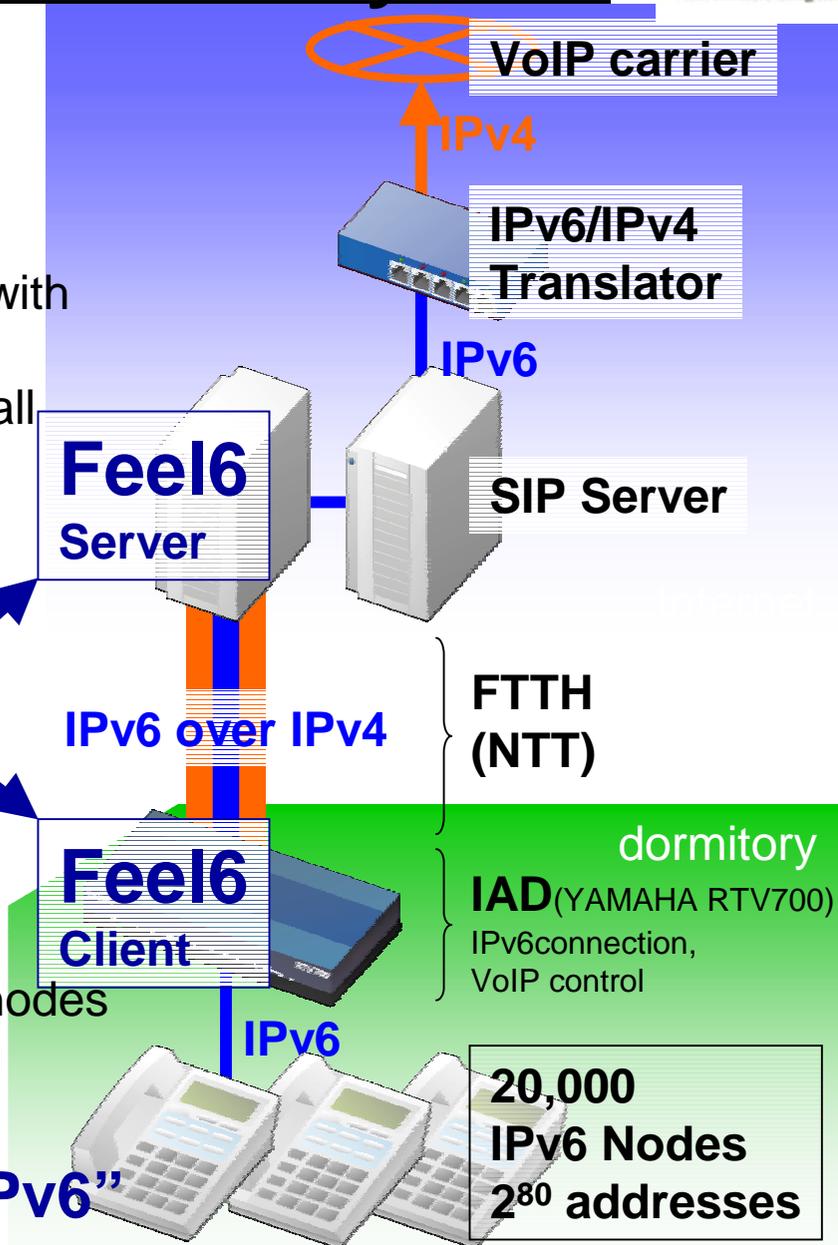
- **280** sites all over Japan
- IPv6 Node as many as **20,000**

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

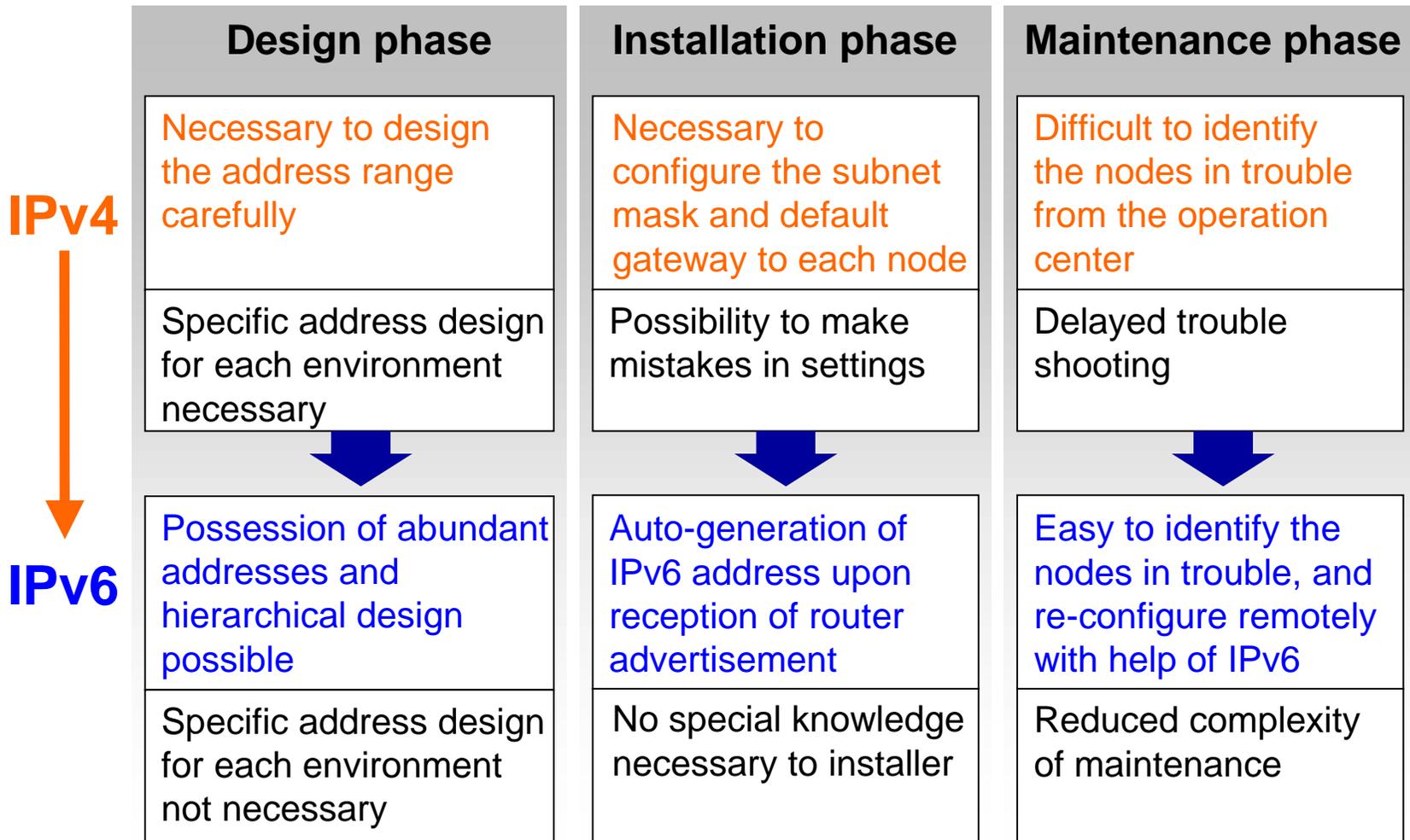
**"Realized the cost reduction by IPv6"**



# Some additional information

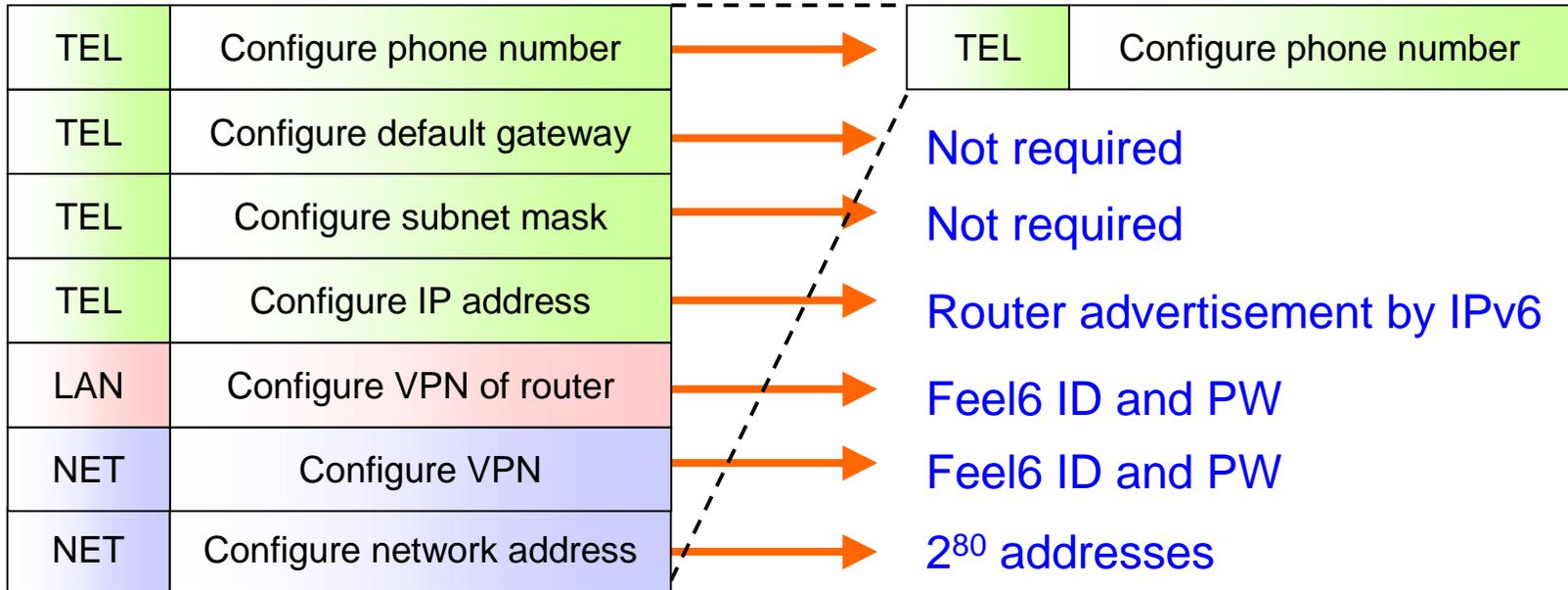
- VoIP/SIP deployment using IPv6
- SIP/MIPv6 reference implementation
  - USAGI provides a reference implementation for Linux
- VoIP/SIP interoperability task force
  - Interoperability among providers
  - Welcome from oversea
  - Collaboration with MFN

# Cost reduction made possible by IPv6



# Significant reduction of network design steps

IPv4  IPv6



# 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