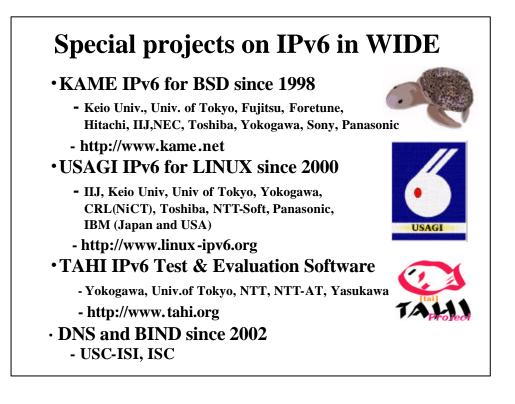
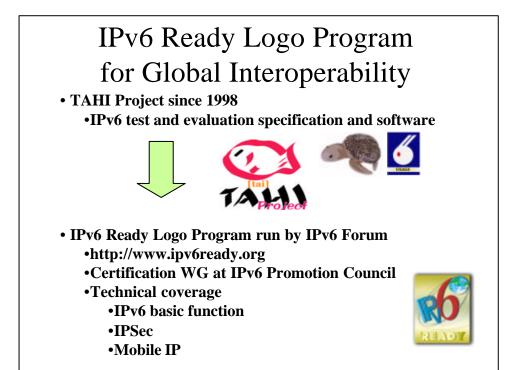


IPv6 R&D Activities in WIDE (1/3)

- 1992
 - Started IPv6 Activity
- 1994
 - Established IPv6 WG
- 1997
 - First IPv6 Shownet at NetWorld+Interop Tokyo
- 1998
 - Started operation of WIDE IPv6 network
 - Established KAME Project (for *BSD*) and TAHI Project (for conformance testing)
- 2000
 - Established USAGI Project (for Linux)
 - Started GS(General Service) of JGN IPv6

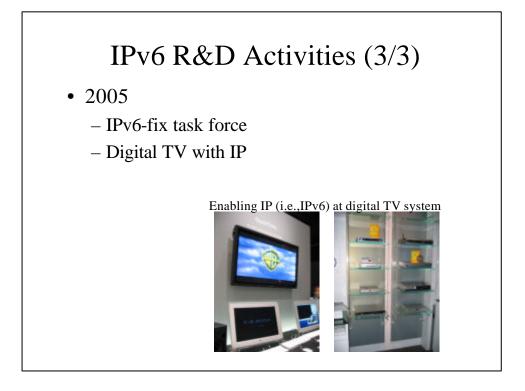


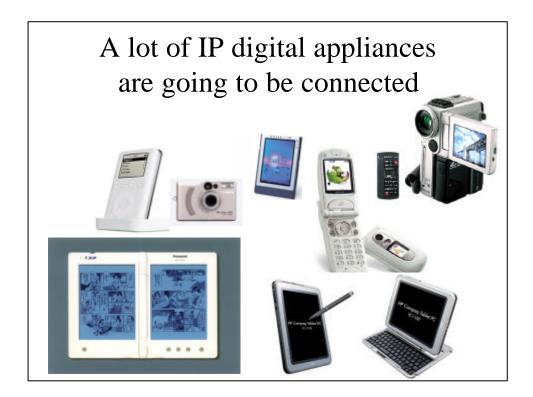


IPv6 R&D Activities in WIDE (2/3) 2001 Established IPv6 Promotion Council 2002 Started collaboration on BIND with ISC Started collaboration on measurement with CAIDA e! project (two year program) IETF Yokohama 2003 IPv6 transition trials (three year program) Nautilus6 (MIP/NEMO/MANET) for mobile reality AI3 (Satellite Internet service for Asian countries) Established secure6 WG 2004 Launched JGN2

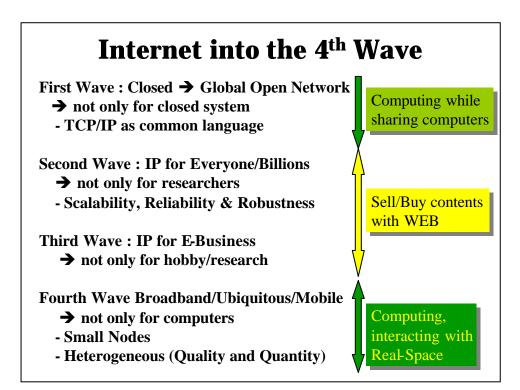
V6 Promotion Council

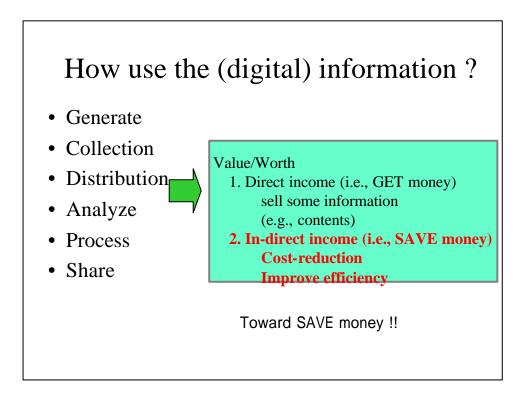
- Four Working Groups
 - Application WG
 - Next generation Internet applications based on IPv6
 - Facility Networking SWG
 - Testbed WG
 - Design, establish and operation of IPv6 testbed
 - IPv6 middleware
 - Router development
 - V6 core technology WG
 - Basic and platform technology development
 - Strategy WG
 - Security SWG
 - Certificate SWG

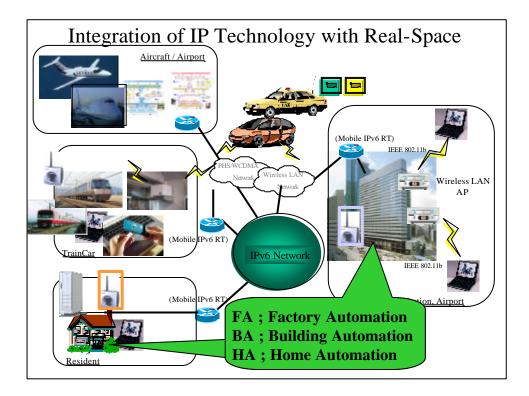




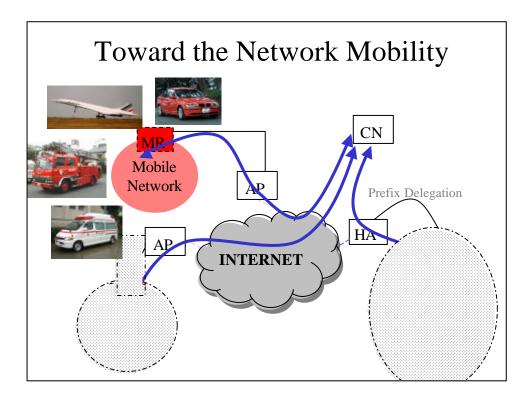


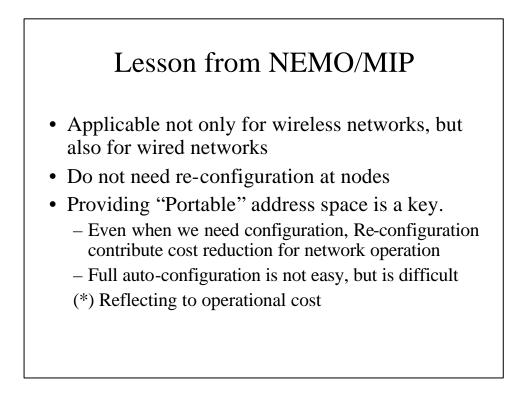


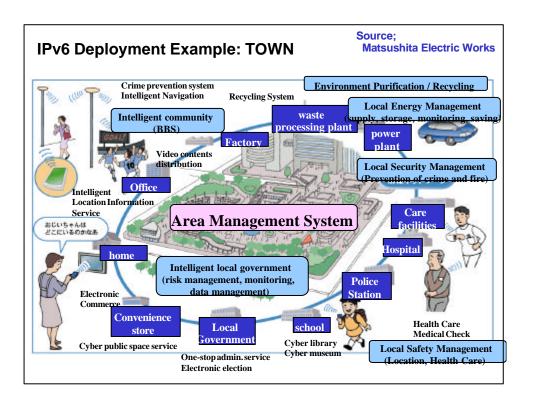


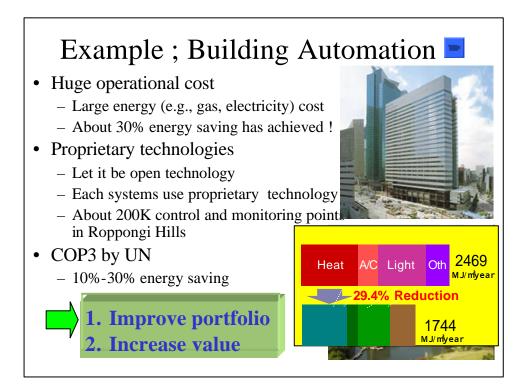


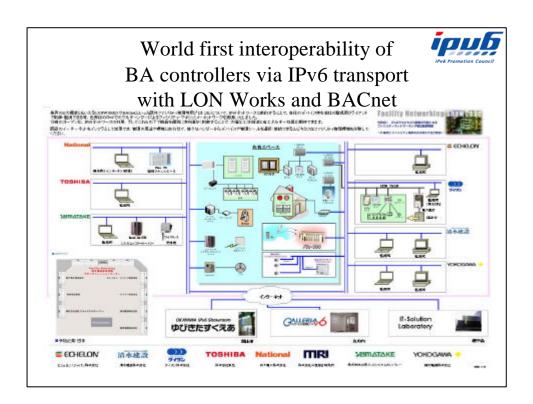
Some Examples of IPv6 Applications Toward the Real-Space Internet Transportation System InternetCAR InternetTrain Facility Networking Building Automation Live E!, i.e., Sensor Networking Real-time Interactive Communication Digital Video Transmission VoIP over MIPv6 on Linux by USAGI+Nautilus6 IP Telephony (i.e., PBX) Uncompressed HDTV

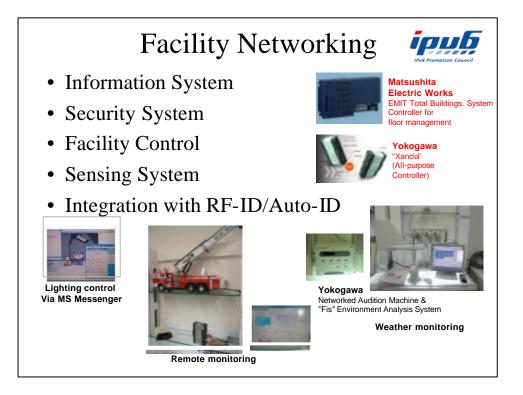


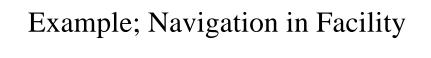




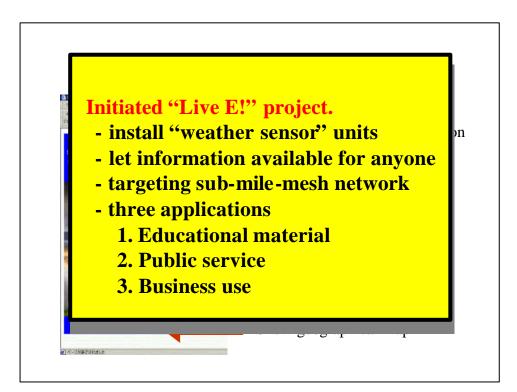








- Navigation of Human-being with RF-ID
 - (*) Originally for technical conference
 - Location management, e.g., zone control
 - Walking path control
 - Customer/visitor
 - Tenant
 - Landlord
 - Evacuation path



Experiments ; Temperature Sensor Nodes at NetWorld+Interop Tokyo



