



Introduction of Nessum Alliance

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President and Chairman
Nessum Alliance



Nessum Alliance Overview

Name	Nessum Alliance (former name HD-PLC Alliance)
Founder and Establish	Founded by Panasonic in 2007
Number of members	43 (38 companies, 5 organizations)
Location	Fukuoka, Japan
WEB site	https://nessum.org



Nessum Alliance Member Roster FY '25 (43 Companies – Organizations)

Promoter
4 companies

Panasonic

Founder

Shikino
CENTRAL ELECTRONIC EQUIPMENT

socionext™
The Solution SoC Company

Toho Technology Corp.

Standard
18 companies

FE Fuji Electric

GE GE VERNOVA

Helvetia Inc.
Helvetia Inc.
Helvetia Inc.

INELTRO
ELECTRONICS

Kawamura

KOITO ELECTRIC INDUSTRIES, LTD.

MegaChips

MinebeaMitsumi
Passion to Create Value through Difference

MIRAIT ONE

Nuri Flex
Japan

PPC
Power Plus Communications

Progilon

SED

Clouder
クラウド

Teldat

Ubiquitous AI
Enriching Possibilities

UL Solutions

xingtera

DAIKIN

Start-up
7 Companies

adatec

Alvibe

CORESIGHT.UJ
Electronic Firmware Software/FPGA

HIME

DOMATIC

ECOLINQX™

iCOGNIZE™

Supporter
3 Companies

azbil

GigaFast

SKNET

Special

10 companies
/Organizations

ASIBA

Egretcom

KNX
NATIONAL

OK 九州計測器株式会社

LabMaster
INTERNATIONAL

LabMaster
Japan

MICROCHIP

SASKEN

PMS

ZETÄ Alliance

nessum

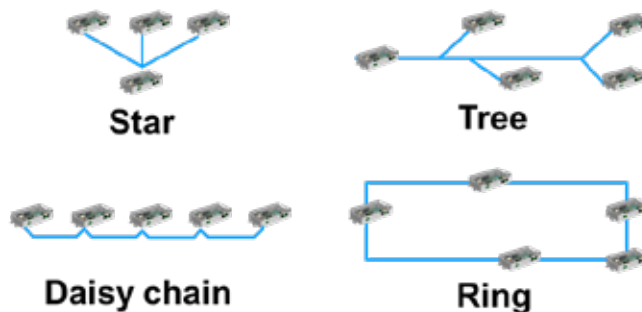
IEEE

Important Features of Nessum Technology

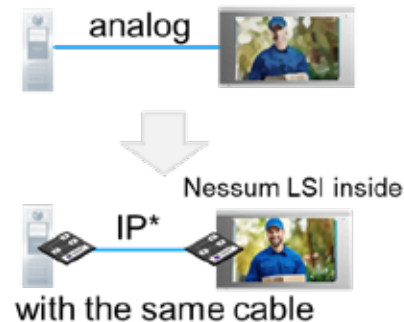
Large Scale Network



Free Topology



IP Communication



High Speed

Mbps class translation

※ depend on cable types

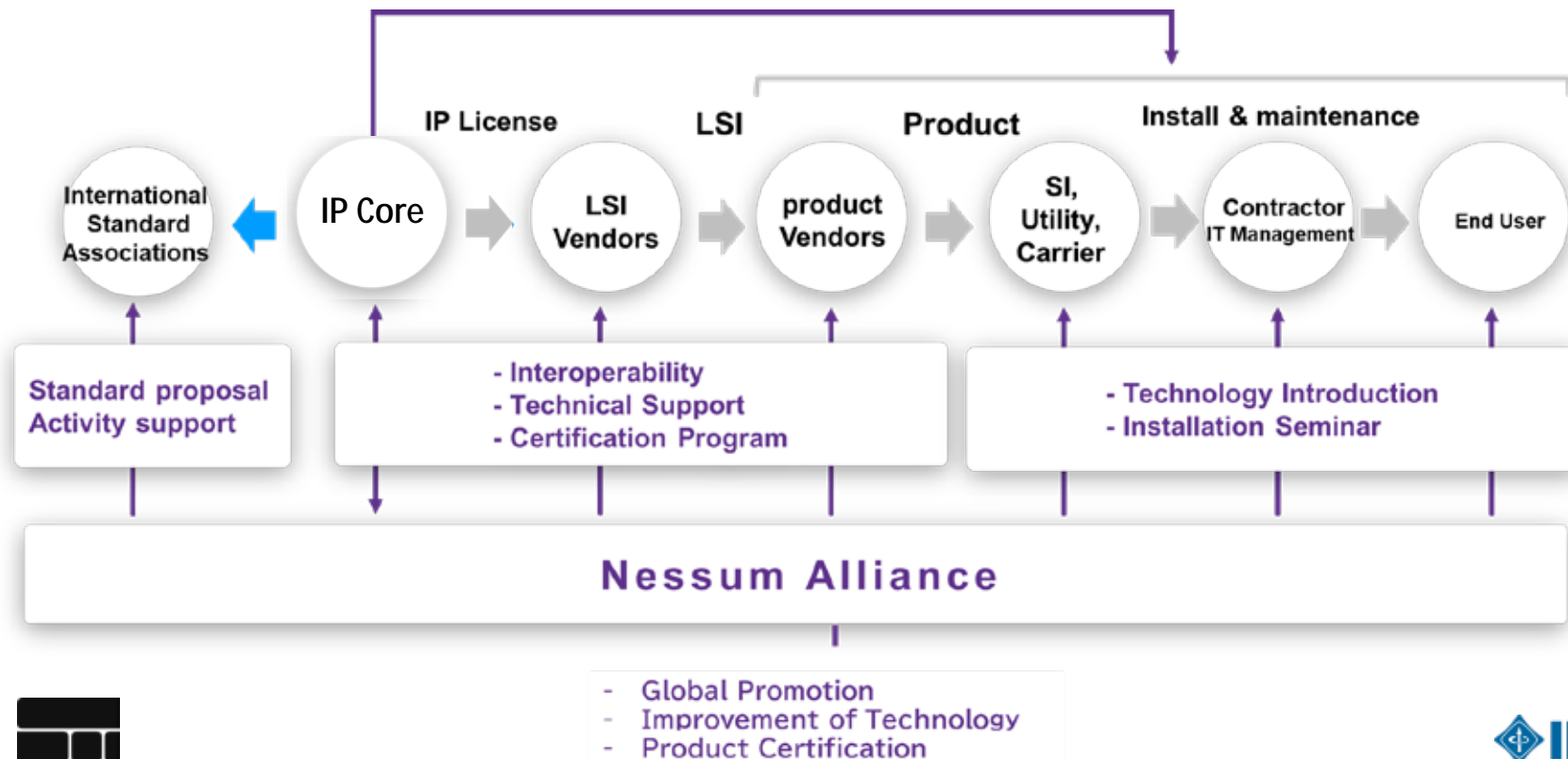
Secure

- Encryption with AES128bit
- IEEE 802.1x authentication with IEEE 1901b

Any wire



Supported Total Value Chain



Reasons for Nessum WIRE adoption

1. Low-cost network construction



Camera



Video intercom



Street lights

2. Faster wired communication



PV



HVAC



Video intercom



Smart Meters

3. Higher security



Chemical plants

4. Wireless complements



Elevators



Underground and tunnel



Ship

5. Long distance



Smart Meters



Buildings



Factories

6. Reduce cables

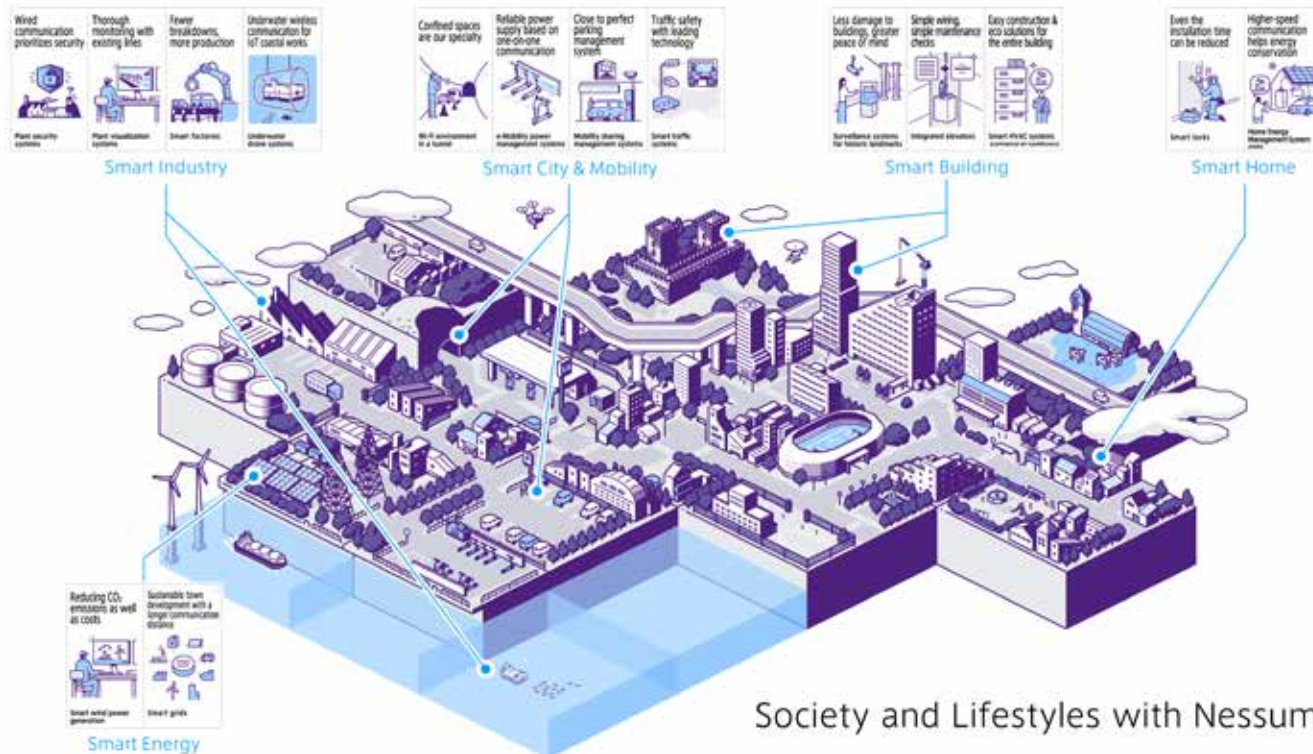


Robots



Underwater drone

Driving Innovation in Communication for the IoT Era!



Please visit to www.nessum.org

Thank you