Together with TRON since 1997

Dec 12, 2018 @TRON Symposium

Nobuyuki Ueyama
Executive Vice President
eSOL Co., Ltd.
About eSOL

eSOL Co., Ltd.

- Established ERG Co., Ltd in 1975.
- Changed the company name to eSOL in 2001.

401 Employees
¥7.5B Revenue FY2017
10% Development Investment

Listed on TSE Mothers Oct 12, 2018.

Our Business

Sensing Solutions
12.7%

Advanced Technical Skill

87.3%

Embedded Software Solutions

Our Business

- Automotive
- FA
- Medical
- Consumer
- Aerospace
- Audio
- Physics & chemistry
- Research & Academic

Our Business

- Agriculture & Farm
- Logistics / Warehouse
- Cashless settlement / Fintech
- Hardware & Software

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Key Products

Real-time OS
- eT-Kernel
- MCOS

Development Tool
- eBinder
- eMCOS AUTOSAR

Product certification
- eT-Kernel Compact
  - ISO 26262 ASIL D
  - IEC 61508 SIL 4
- eMCOS AUTOSAR
  - ISO 26262 ASIL D

Process certification
- Development process for real-time OS
  - IEC 62304
2. History

μITRON specification compliant, mainly for Consumer App

Next-generation μITRON, T-Kernel extended RTOS

DSL, mainly for Consumer App

μITRON specification compliant

Starting a transformation period once in 100 years in the Automotive

2016 ~

TRON Project 1984

TRON 2015

MCOS AUTOSAR

AUBASS AUBIST

2002

T-Engine Forum

2005

T-Kernel
Multi-Core Edition

2006

T-Kernel

2012

Many-core

2015

μITRON

1997

S

μITRON specification compliant

20 overseas companies adopted

Multiple-OS Platform

Adaptive Platform

Classic Platform

Service Oriented

Machine Learning
Deep Learning

Multi-OS Platform

Adaptive Platform

Classic Platform

AI framework

eBRAD

for Automotive

AI

POSIX Base

Process Model

Thread Model

POSIX

AUTOSAR

AI

Machine Learning
Deep Learning

IoT

Starting a transformation period once in 100 years in the Automotive

ADAS, Autonomous drive, Cluster Mater, Gateway, etc...

20 oversea companies adopted

Multi-core

Automotive

Navigation
3. Future & Expectation

Needs an ability to create **new idea, imagination and creativity!!**

**Open IoT Important!!**

**Approach to areas where all these are essential**

**In the beginning**

**MaaS, CaaS**

**Embedded Technology + Internet / Cloud Technology**

**Reliability**

**Flexibility**

**Reliability**

**eSOL was certified as an APN Standard Technology Partner of Amazon Web Services in July 2018.**
eSOL SPIRIT

Mission
We contribute to society by creating markets with our innovative technologies

Vision
We are a world-class technology company active around the globe

Core Spirit
We live in "Challenge with passion"

Value
- excellence
- Speed
- Ownership
- Link
Thank you.

www.esol.co.jp