**Case 1** Manage and control assembly line progress with "takt time visualization!"

Worker did not know how long it was taking to complete tasks, causing uneven progress of the entire assembly line and delays.

**Before**

- Uneven task completion!

**After**

- Visible progress - Even completion!

Workers can pace themselves to complete their tasks on time. The entire line can move more evenly and delays are reduced.

- Task progress is understood in real time!

**Case 2** Replenish with precise timing with "cutting fluid level visualization!"

Cutting fluid level in the underground tank was unknown. Operators wasted a lot of time opening the tank to verify how much fluid was left.

**Before**

- The amount of oil is unknown!

**After**

- The amount of oil is visible from a distance!

The amount of fluid in the tank could be determined with a glance, even from great distances, allowing quicker response to multiple machines, and improved operator productivity.

- The status of the amount of oil can be seen at a glance from a distance!
History of PATLITE

1947
- The Seidenki Research Center in Akasaka, Osaka, was opened.

1950
- The first DC motor for audio equipment was developed.

1960
- The first DC motor for audio equipment was developed.

1963
- Sotoko Electric Corporation was established.

1964
- The voice synthesizer was developed and sold in the audio warning market.

1965
- The first electronic siren amplifier for emergency vehicles was developed and released.
- The micro-motor (BTO) was stopped in order to strengthen our own production.

1966
- The first gunning warning light (YK-12) was developed and released.

1977
- The light bar warning light for patrol cars was developed and sold.

1982
- The first gunning signal tower was developed and sold.

1990
- PATLITE (U.S.A.) Corporation was established.

1994
- The company name was changed to PATLITE Corporation.

1996
- The boomerang-type warning light was developed and released.

1998
- PT. PATLITE INDONESIA Factory was established and started production.
- PATLITE (SINGAPORE) PTE LTD was established.

1999
- The multi-color LED display board was developed and released.

2000

2003
- The multi-color LED display board was developed and released.

2005
- PATLITE (CHINA) Corporation was established.

2007
- An earthquake early warning display terminal was developed and sold.

2008
- A presentation of future management reform was abolished.

2009
- PATLITE (EUROPE) GmbH was established.

2011
- PATLITE KOREA CO., LTD. was established.

2013
- PATLITE CORPORATION became a wholly owned subsidiary of Inaba Denki Sangyo Co., Ltd.

2014
- The multi-color LED signal tower was developed and released.
- PATLITE TAIWAN CO., LTD. was established.
Network Products & Monitoring System

**Network Monitor**
NHL-3FB1
- Available on the App Store
- 4 Sounds: SNMP V1-2, Ethernet, RSH, LAN

**USB Signal Tower**
LU7-USB
- LED, USB, 80 dB at 1 m
- IP65

**Ethernet Signal Tower**
CLME-ME
- LED, Ethernet, 80 dB at 1 m
- IP65

**Lean Manufacturing System**
VE100-304
- LED
- Display Size: 100mm
- Serial, Stand Alone

**Explosion-Safe**

- **CLA-EX**
- **CLK-EX**
- **CLN-EX**
- **AR-070/AR-078**
- **LFH-EX**
- **EHS-EX/EHV-EX**
LED Work Lights

CWA

CWA RoHS UL LISTED IP65 IP66 IP69K

CLC

CLA RoHS UL LISTED ECOLAB IP66G IP67G IP69K 6500K 7000K 2700K

CLK

CLK RoHS UL LISTED IP66G IP67G IP69K 6500K 5600K 6500K 5600K

CLN

CLN RoHS UL LISTED IP66G IP67G IP69K 6500K 7000K 2700K

CLK-SA/SG

CLK-SA/SG RoHS UL LISTED IP66G IP67G IP69K 6500K 5600K 6500K 5600K

Pan/Tilt Type

Tilt Type

Wide Water Resistant Oil Resistant

Focused Water Resistant Oil Resistant

Focused SUS316 Water Resistant Oil Resistant Corrosion Resistant

High-pressure washdown safe

High-pressure washdown safe
LED Signal Towers

- **MP-B**
  - LED: 80 dB at 1 m
  - NPN Open Collector
  - Silver
  - IP65

- **ME-A**
  - LED: 80 dB at 1 m
  - M-12 Connector
  - Open Collector
  - IP65

- **MP**
  - LED: 85 dB at 1 m
  - Open Collector
  - IP65

- **LCE**
  - LED: 85 dB at 1 m
  - Open Collector
  - Silver

- **LU7-LB**
  - LED: 100 dB at 1 m
  - Ivory White
  - IP40

- **LU5**
  - Modular Type
  - LED: 85 dB at 1 m
  - Open Collector
  - Silver

- **LME**
  - Modular Type
  - LED: 90 dB at 1 m
  - Silver Black
  - IP65

- **LU7**
  - LED: 90 dB at 1 m
  - Silver Black
  - IP65

Warning Lights

- **LFH**
  - LED
  - UL Listed
  - ECE R10
  - IP66
  - RoHS

- **LP8US**
  - 33 Flash Patterns
  - 8 LEDs
  - DC 10V to DC 30V
  - Indoor & Outdoor
  - Available in Red, Amber, Blue and White

- **LP3US**
  - 33 Flash Patterns
  - 3 LEDs
  - DC 10V to DC 30V
  - Indoor & Outdoor
  - Available in Red, Amber, Blue, Green and White

- **NE-CL7**
  - 7 Colors in One Unit
  - LED
  - 7 Colors
  - IP66 IP67

- **RLR**
  - (12/24VDC CE Compliant)
  - LED
  - IP66

- **RHE/RHEB**
  - LED
  - Buzzer
  - IP23

- **SZ-200A**
  - (IP55 with optional SZ-200A)
INNOVATIVE MODEL

LA6
- 60mm
- 21 Colors
- LED
- 90 dB at 1 m
- 11 Sounds
- Open Collector
- IP55
- IP54 tested
- RoHS
- Off White
- Silver

LS7
- 70mm
- LED
- 90 dB at 1 m
- 2 Sounds
- Open Collector
- IP65
- IP54 tested
- RoHS
- Off White
- Silver
- Dark Grey

WE
- 90mm
- LED
- 90 dB at 1 m
- 2 Sounds
- Open Collector
- IP65
- RoHS
- Ivory White
- Silver

WME
- 90mm
- LED
- 90 dB at 1 m
- 2 Sounds
- Open Collector
- IP65
- RoHS
- Ivory White

AUDIBLE PRODUCTS

BSV/BSV-L
- 87 dB at 1 m
- 83 second Playback
- BSV
- BSV-L
- IP54

EHS/EHV
- 110 dB at 1 m
- 220 second Playback
- EHV
- NPN Open Collector
- IP65

BK/BKV
- 95 dB at 1 m
- 63 second Playback
- BKV
- NPN Open Collector
- IP54

LKEH
- 105 dB at 1 m
- 63 second Playback
- LKEH-FV
- IP53

OPTIONS
- SD Card
- SDV-2GP

- UL type: Build to order
- Also available for Explosion-safe applications (Model No. LKEH-EX)
PATLITE Corporation
4-4-25, Homemachi, Chuo-ku, Osaka-shi, S.411-0013 Japan
International Sales Division
TEL: +81-6-7711-8953  FAX: +81-6-7711-8961 E-mail: overseas@patlite.co.jp

PATLITE (U.S.A.) Corporation
20139 S. Western Ave., Torrance, CA 90501, USA.
TEL: +1-310-333-3322  FAX: +1-310-333-3305  E-mail: sales@patlite.com

PATLITE (SINGAPORE) PTE LTD
No.2 Leng Kee Road, #05-01 Thye Hong Centre, Singapore 159086
TEL: +65-6226-1111  FAX: +65-6224-1111  E-mail: sales@patlite.com.sg

PATLITE (CHINA) Corporation
Room 102-103, No.55, Lane 777, Guangzong Road (West), Changning District, Shanghai, China 200072
TEL: +86-21-6020-9969  FAX: +86-21-6020-9930  E-mail: sales@patlite.cn

PATLITE Europe GmbH
Am Schützenmooor 6  D-85399 Langenau, Germany
TEL: +49-811-9681-9760  FAX: +49-811-9681-9769  E-mail: info@patlite.eu

PATLITE Korea Co., Ltd.
A-2603, Gwajung D-POUS, 543-1 Gasin-dong, Geumcheon-gu, Seoul, 153-719
TEL: +82-2-523-6666  FAX: +82-2-851-9919  E-mail: sales@patlite.co.kr

PATLITE Taiwan Co., Ltd.
Rt. No. 91, Hsinchu 35, Dalongdong District, Taipei, Taiwan TEOC
TEL: +886-02-2355-1611  FAX: +886-02-2355-1621  E-mail: info@patlite.tw

http://www.patlite.com

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CAUTION
To ensure correct use of these products, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, etc., other accidents. Specifications are subject to change without notice.

PATLITE ECO PROJECT
For the benefit of mankind and the earth, Patlite is committed to developing environmentally friendly products.

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