



Productivity and Safety through  
Mine-Spec digital applications

# ICCL.

integrated  
**communications**  
cap lamp



### The lightweight cap lamp integrating:

RFID Tag

PED Text Paging

Proximity Detection

Airstream Helmet Adaptation

Cord integrated "Flash" unit

### Enhancing Safety and Productivity

# integrated communications cap lamp

**IMPACT**  
the future of mining communications

**Mine Site Technologies' (MST) ICCL is a breakthrough in cap lamp technology. ICCL provides the solution on how to ensure an underground miner can carry all the necessary personal equipment without being weighed down.**

## WHAT IS ICCL?

A new generation of cap lamp that also offers you a choice of communications and Personal Protective Equipment (PPE) options. Hence the name, ICCL – Integrated Communications Cap Lamp. ICCL uses the latest Lithium-Ion battery technology to provide long duration battery life for a fraction of the weight of older lead acid or NiMH powered cap lamps.

## WHY IS IT BETTER?

Not only is the ICCL smaller and lighter than other cap lamps, but within its sealed casing various smart electronic options are available. Functions include the RFID electronic tag and/ or PED® personal pager and/or proximity detection module.

These added communication devices are value contributors to improving personal safety and worker productivity.

Integration into the sealed housing ensures their long term protection, reliability and useability.



## EASY TO INSTALL – EASIER TO WEAR

ICCL is easy to implement, simply fit to your existing charging racks with minor electrical modifications. Miners will notice the difference in weight and bulk of the battery pack. With more and more PPE (such as large SCSR's) to carry, reducing the weight and bulk of a miner's cap lamp and communication equipment offers significant OH&S advantages.

## SPECIFICATIONS

**DURATION:** >24 hours - Suitable for 2 by 12 hour shifts

**WEIGHT:** 750g (1.6lb) Lamp only  
950g (2lb) with PED® and Tag

**SIZE:** 140mm (5½") wide x 120mm (4½") high

### ERGONOMICS:

- Hip hugging curved design
- User selectable lamp cord exit point
- Use on left or right hip

**OPTIONS:** With any combination of PED® (various languages), Tag, Proximity Transceivers (with headpiece integrated alarms), Airstream Helmet adapters and cord mounted Flasher unit.

**TEMP RANGE:** -20°C to +60°C (LCD -5°C to +60°C)

**WATERTIGHT:** IP67

### DIAGNOSTICS:

- Full battery management system interfaced to LCD display
- Battery fuel gauge with battery low warning and indication
- PED QoS indication

**BATTERY CELLS:** Industry approved, advanced Lithium-Ion

**COMPATIBILITY:** Most existing cap lamp charging systems - minor modifications may be necessary.

**HEADPIECE:** Industry leading LED – Long throw spot, low, medium low, high and super high beam selection. Flash when off for PED Messages.

**APPROVALS:** IECEx, ANZEx, MSHA, PA, DGMS, EAC Ex



MST offices and support centers are strategically located in the world's primary mining regions.

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