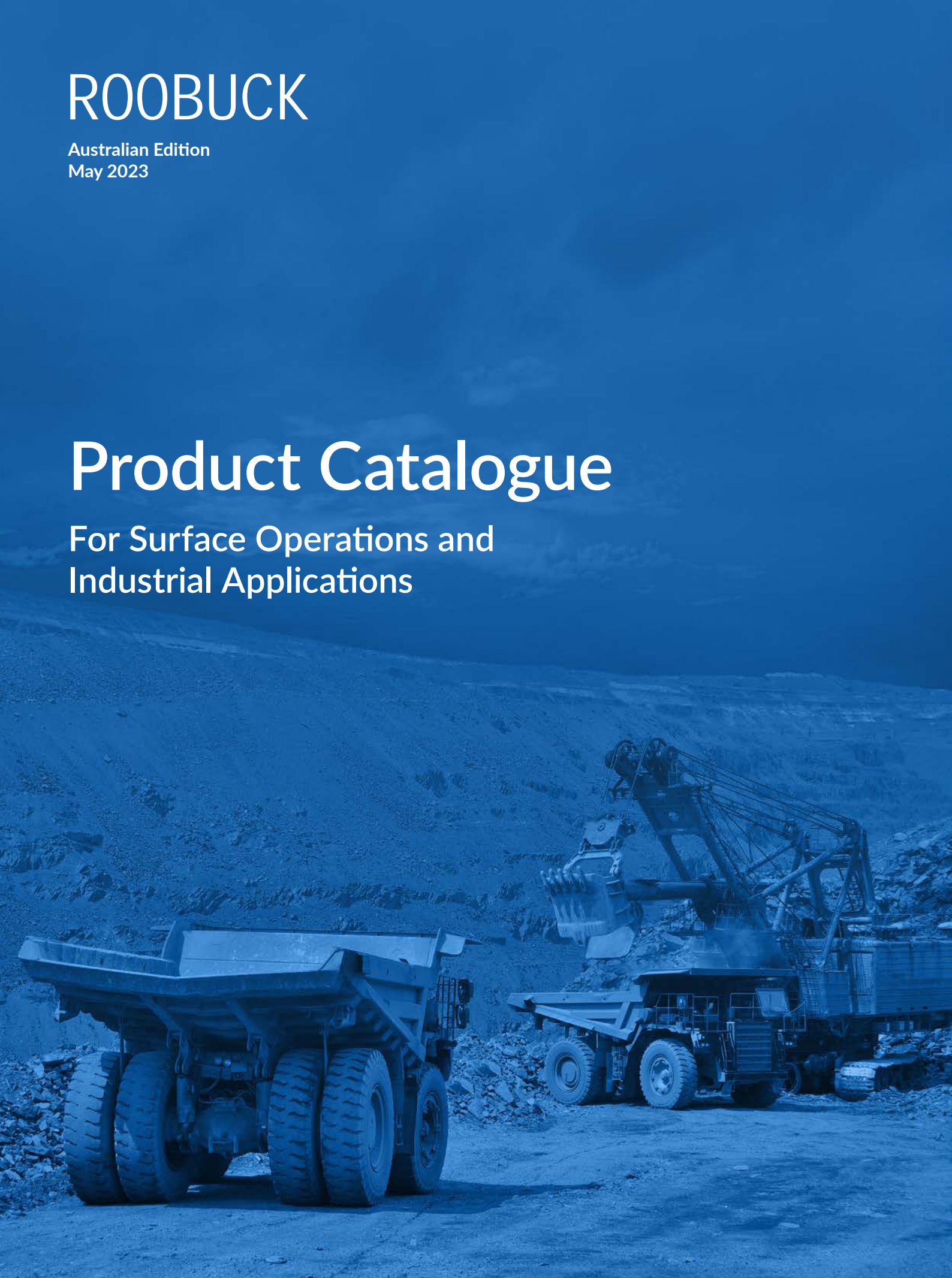


ROOBUCK

Australian Edition
May 2023

Product Catalogue

For Surface Operations and
Industrial Applications



Roobuck is a leading provider of MineIoT Solutions, Mine Communication Equipment, Cap Lamps, Belt Tags, Safety Signal Lights, and other Explosion-proof Products.

Accreditations

- Ex Certificates/Approvals: IECEx, MSHA, IA, CNEX
- Ex Quality Standards: ISO/IEC80079-34

Key Offerings

Cap Lamps

- Wide range of Intrinsically Safe cordless cap lamps
- Non-Ex cordless cap lamps
- IoT Cap Lamps for tracking and proximity, collision avoidance systems and other safety applications
- Non-Ex corded cap lamp

Personal Safety Products

- Helmet beacons
- Hi-Vis LED vest
- LED Shoulder Brace

Industrial Lights

- Runway lights for underground emergency/evacuation
- Intrinsically Safe Strip Lights

System Products

Together with Technology Partners Roobuck supply:

- WiFi system for tracking, emergency, zone management and communications
- V2P Collision Avoidance System
- Digital Kiosk and Tag Board



R&D Projects

Digital mine projects supported by Australian Federal Government and NSW State Government, universities and industries, including CRC-P, PSF and ARC Hub projects.

Global Reach - Exports from Australia to:

- Oceania: New Zealand and Papua New Guinea
- Asia: Mongolia, Uzbekistan, Kazakhstan, UAE, Qatar, Saudi Arabia, Egypt, Indonesia and Singapore
- Africa: Ghana, South Africa, Zimbabwe
- Americas: USA, Canada, Peru, Chile, Colombia

We proudly supply:



Cordless Cap Lamp: RN3U	4
Charging Banks and Single Chargers for RN3U	5

Cordless Cap Lamp: RN2T	6
Charging Banks and Single Chargers for RN2T	7

Cordless Cap Lamp: KH2M-Ex	8
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Which Cordless Cap Lamp is best for my needs?

Questions - Do you need	RN3U	RN2T	KH2M-Ex
IECEX Certificate			✓
A bright light?	✓		
Low cost product?		✓	✓
An angle adjustable cap lamp?	✓		✓
To wear a helmet visor?		✓	
Both focused beam & spread beam?		✓	
Long duration?			✓
The lightest Cap Lamp in our range?		✓	

Cap Lamp Accessories: RRS, ML, HS, RCB, TG57***	10
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Hi-Vis LED Safety Vest: RLVA1	11
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Cordless Cap Lamp

Performance series – for Mining and Industrial Applications without the need for Ex Certificate

Features



Three operating modes – Main, High Beam, Auxiliary



Adjustable beam angle to point wherever you see



Lightweight, comfortable and ergonomic



Tough GERMAN enclosure material to withstand rough handling



Made from Top Brand, high quality components and parts



Rounded front housing for best impact resistance



Product Specifications



IP Rating - IP67

Submersible in water up to 1m for 30min



Illumination

5000 Lx Main Mode
8000 Lx High-Beam Mode



Charging Time

9 h



Running Time

16 h Main Mode



Weight

165 g



CB8E Charging Bank For 8 Cordless Cap Lamps



Features

- Portable, Wall Mountable, Vehicle Installation
- Locking Plate is optional extra (CB8(E)-LPU)
- Lamp Charging Indicator
- Automatic over-load protection – cuts off that circuit when Cap Lamp battery is fully charged

Specifications

Input	110 VAC or 12-24 VDC
Output	5.1 VDC/500 mA
Dimensions	33 x 21 x 5.5 cm
Weight	1.1 kg

CB35E/CB53E - Charging Banks For 35/53 Cordless Cap Lamps

Features

- Automatic over-load protection – cuts off the circuit when Cap Lamp battery is fully charged
- Label groove
- Padlock bracket
- Lamp Charging Indicator
- Charger Charging Indicator
- Includes wall mounting kit
- 2 x foot pads
- Circuits are easily accessible for servicing

Specifications

Input	110 VAC	
Output	5.1 VDC/500 mA	
Dimensions	CB35E: 87 x 11 x 56 cm	CB53E: 84 x 13 x 110 cm
Weight	CB35E: 17 kg	CB53E: 31 kg



Individual Chargers & Accessories

MCE: Single Mains Charger - AU, EU, UK, USA **CBS:** Charging Bank Stand
UCE: Single USB Charger



Cordless Cap Lamp

Value series – for Industrial and Mining Applications without the need for Ex Certificate

Features



Three operating modes – Standard Focus, High-Beam Focus, Spread



Thin design works with most helmet visors



Lightweight, comfortable and ergonomic



Tough GERMANY enclosure material to withstand rough handling



World's safest and most reliable Panasonic battery



Made from Top Brand, high quality components and parts



Comes with free Angle Adjustable Bracket (RCB-A or RCB-U)



Product Specifications



IP Rating - IP67

Submersible in water up to 1m for 30min



Illumination

2800 Lx Standard Focus
5500 Lx High-Beam Focus



Charging Time

7 h



Running Time

13 h Standard Focus



Weight

97 g



CB8T Charging Bank For 8 Cordless Cap Lamps



Features

- Portable, Wall Mountable
- Lamp Charging Indicator
- Automatic over-load protection – cuts off that circuit when Cap Lamp battery is fully charged

Specifications

Input	240 VAC
Output	5.1 VDC/500 mA
Dimensions	33.4 x 18.2 x 6.6 cm
Weight	860 g

CB28T Charging Bank For 28 Cordless Cap Lamps

Features

- Wall Mountable
- Optional - Locking Bar
- Lamp Charging Indicator
- Automatic over-load protection – cuts off that circuit when Cap Lamp battery is fully charged
- Space to attach identification label

Specifications

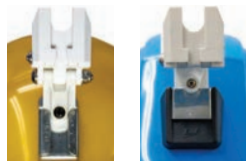
Input	240 VAC
Output	5.1 VDC/500 mA
Dimensions	84 x 60 x 11.5 cm
Weight	9 kg



Individual Chargers & Accessories



UCT: Single USB Charger



RCB-A

RCB-U

RCB-A/U: Angle Adjustable Brackets

RCB-A slides between the sides of the helmet bracket whereas RCB-U slides between the front & back of the helmet bracket.

Cordless Cap Lamp

Value series – for Petrochemicals, Surface Operations and Underground Hardrock Mines

Features



Two operating modes – Main, Low



Well distributed light pattern



Adjustable beam angle to point wherever you look



Lightweight, comfortable and ergonomic



Made from Top Brand, high quality components and parts



Product Specifications



IP Rating - IP67

Submersible in water up to 1m for 30min



Illumination

2000 Lx Main Mode



Charging Time

7 h



Running Time

20 h Main Mode



Ambient Temperature

$-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$



Weight

119 g



Certifications:

- Certificate #: IECEx TSA 19.0008
- Ex Marking: Ex ia op is IIB T3 Gb

Standard #:

- IEC 60079-0
- IEC 60079-11
- IEC 60079-35-1



CB8 Charging Bank For 8 Cordless Cap Lamps



Features

- Portable, Wall Mountable, Vehicle Installation
- Locking Plate is optional extra (CB8(E)-LPU)
- Cap Charging Indicator
- Automatic over-load protection – cuts off the circuit when Cap Lamp battery is fully charged

Specifications

Input	240 VAC or 12-24 VDC
Output	5.1 VDC/500 mA
Dimensions	33 x 21 x 6 cm
Weight	1 kg

CB35/CB53 - Charging Banks For 35/53 Cordless Cap Lamps

Features

- Automatic over-load protection – cuts off the circuit when Cap Lamp battery is fully charged
- Label groove
- Padlock bracket
- Lamp Charging Indicator
- Charger Charging Indicator
- Includes wall mounting kit

Specifications

Input	240 VAC	
Output	5.1 VDC/500 mA	
Dimensions	CB35: 87 x 11 x 56 cm	CB53: 84 x 13 x 110 cm
Weight	CB35: 16 kg	CB53: 31 kg



Individual Chargers & Accessories

MC: Single Mains Charger - AU, EU, UK, USA

VC: Single Car Charger – Cigarette Lighter

RRS: Rubber Ring Sheath

Miners now have the option to shroud their Performance Series Cap Lamp with a cost effective, coloured rubber ring, with seven colours to choose from.

It can protect the cap lamp when dropped, bumped or from dripping water. The colour can also be used for group identification of the miners.



ML: Mining Lanyard

Designed to connect Cordless Cap Lamp to the rear of a Miner's helmet or to the Miner's clothing.

HS: Head Strap

Anchor your Cap Lamp to your hard hat if it doesn't have a mounting bracket. Uses 4 brim clips.



RCB-A



RCB-U

RCB: Angle Adjustable Cap Lamp Bracket

Roobuck's patented Cap Lamp Bracket transforms a fixed Cap Lamp into a flexible one. Comes in two versions RCB-A and RCB-U.

RCB-A slides between the sides of the helmet bracket whereas RCB-U slides between the front & back of the helmet bracket.

TG57: Miner's Hard Hat

Strong but lightweight A.B.S construction for durability and robustness with a rolled gutter around the brim for water control.

Features adjustable 6-point web harness with universal slots to accept 25~30mm insert attachments.

White hard hat is in stock but colour options are available upon request.



Hi-Vis LED Safety Vest For obscured vision assistance

Applications

- Road works and traffic control
- Construction sites
- Open-cut mines
- Emergency/accident management personnel
- Recreational users - joggers, hikers, bushwalkers

Features



360 Degree Protection



Active signalling: no need for reflection of incoming light



Sizes – S, M, L, XL, XXL, XXXL, XXXXL



Colours – Yellow or Orange with Silver Strips



Product Specifications



Operating Mode
Steady, Slow Flashing,
Fast Flashing



Running Time
40 h



Visibility Range
>300 m in clear conditions



Batteries
2 x AA

Complies to AS/NZS 4602.1:2011 Class D/N Day or Night Use

Helmet Beacon Light For Underground Hardrock Mines and Tunnels

Features



Green, Red, Blue, White & Amber



Low running cost



Easily attached to helmet



Fully sealed for the best ingress protection



Replaceable coin battery



Product Specifications



IP Rating - IP65
Dustproof and direct spray proof



Operating Mode
Steady, Flash, Blink



Running Time
200 h in Flashing Mode



Weight
45 g







Intrinsically Safe Strip Light for Area Illumination For Underground Coal Mines, Petrochemical Environments and Underground Hardrock Mines


The RIS12*-Ex strip light is Intrinsically Safe and designed for area illumination in underground coal mines, petrochemical environments and underground hardrock mines. It is easy to mount and can be attached to machinery, walls or other objects. It is lightweight and can be carried if you need portable illumination.

It is powered by an external 12VDC I.S. power supply. There is a 2-wire lead at an end of the strip light to connect to a junction box or I.S. power supply directly.




Feature	RIS12S-Ex	RIS12M-Ex	RIS12L-Ex	Installation Accessories
 Power	1.4 W	2.8 W	4.2 W	<ul style="list-style-type: none"> • Clips for wall mounting • Tags • Sticky tabs • Brackets All models come with 1 metre of cable to connect into your intrinsically safe power supply
 Number of LEDs	42	84	126	
 Length of Light	0.8 m	1.5 m	2.2 m	
 Weight	200 g	300 g	400 g	

Product Specifications



IP Rating - IP65
Dustproof and direct spray proof



Ambient Temperature
-20~40 degrees

Certifications:

- Certificate #: IECEx TSA 22.0010
- Ex Marking: Ex ia op is I Ma or Ex ia op is IIB T4 Gb

Standard #:

- ICE 60079-0 :2017
- IEC 60079-11 :2011
- IEC60079:28:2015



Runway Light

For Underground Hardrock Mines and Tunnels

A Runway Light is powered by an external 12VDC Power supply. There are 2-wire lead at an end of the strip light to connect to a junction box or I.S. power supply directly. LEDs can be steady or flashing in sequence to generate a flowing effect to show a direction.

Features



Direction identification



Fire-resistant



High ingress protection



Easy to install



Product Specifications



IP Rating - IP65

Dustproof and direct spray proof



Power Supply

12 VDC



Power

20 W



Length

20 m



LED Colour

Red or Green



Ambient Temperature

$-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$

Models

- Steady Style: RSS12SR1
- Flashing Style: RSS12FR1

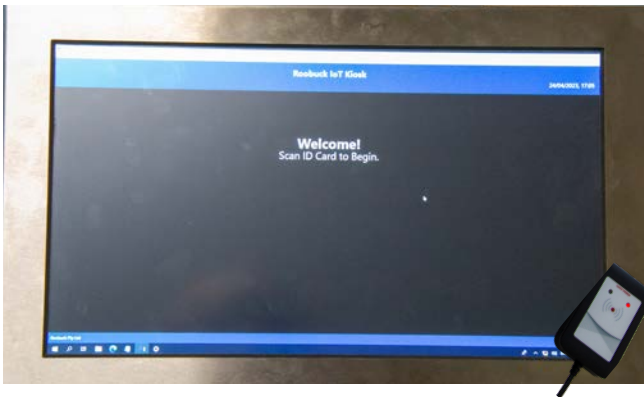
Default colour is red. Other colours are optional

Location, Safety & Asset Management Miner and Cap Lamp registration, shift sign-in/sign-out, miner Cap Lamp pairing and inventory record

The Digital Kiosk and Tag Board form a comprehensible solution to record:

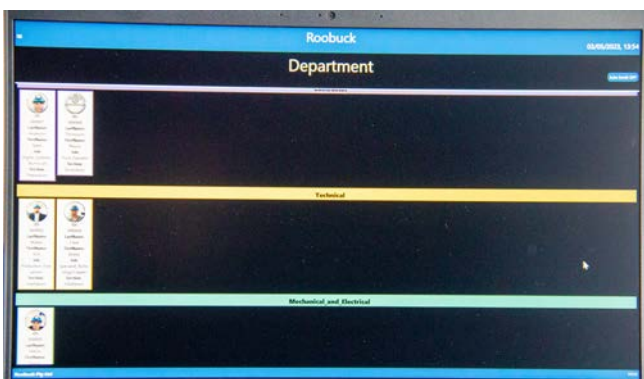
- Who is tagged in
- What Section of the mine they are working
- Which Kiosk they used to sign in
- What Department they are assigned to
- What devices are assigned to the person. Examples are cap lamp, self-rescuers, belt tags, gas monitors
- Nearest AP to identify personnel's location. This feature is only available if using Roobuck's IoT Cap Lamps or Belt Tags

Digital Kiosk



- Touch Screen for easy use
- Rugged for use in harsh conditions
- Multiple kiosks located at all entry and exit points
- Works with both IoT devices and equipment with NFC tags attached
- Miners sign on using NFC enabled ID card
- Miners scan all NFC and IoT devices and pair with their name
- Data can be exported for analysis and productivity reporting.

Electronic Tag Board



- Electronic Tag Boards have multiple views of all personnel tagged in. Personnel and their associated assets can be viewed by Section, Department, Kiosk and nearest AP location
- Multiple large screens strategically located underground can be viewed by all personnel
- Operational Supervisors & Safety Managers can access views on their PC screens
- Locations with time stamps updated on Electronic Tag Board for users paired with IoT devices
- Search for personnel and their associated information

The Digital Kiosk can be integrated into your preferred PPE solution upon request.

This project is ready for pre-commercial trials. Please contact Roobuck for details.

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Other Australian Catalogues

Product Catalogue for Underground
Coal Mines

Product Catalogue for Underground Hardrock
Mines and Tunnels

Product Catalogue IECEX Group II for
Petrochemical Environments

We proudly supply:

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