



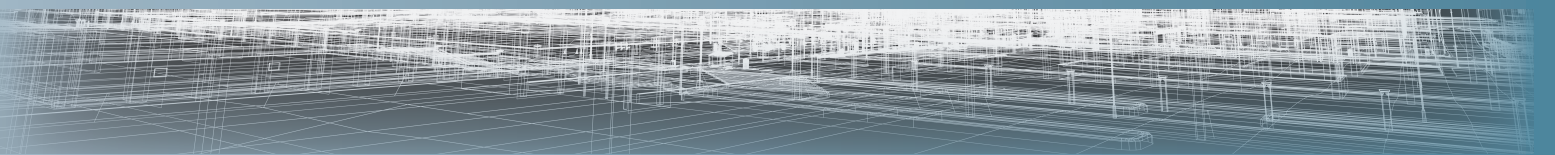
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**RIPLEY**  
COMMUNICATIONS  
VOICE - DATA - SECURITY

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**Security Towers 20/21**



# Introduction

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Ripley Communications are proud to introduce our fully mobile and eco-friendly RCT Tower fleet. All of our units are designed to operate in the harshest environments whilst offering the very latest in security and behaviour analytics for the end user. All systems use renewable energy to provide an efficient and green solution without compromising the effectiveness of the tower.

Our towers are the first mobile security & safety systems in the UK.

## **Key Features:**

- Eco solution.
  - Solar, hydrogen, and wind systems available.
  - High resolution images from 5MP to 12MP.
  - Advanced analytics for security and site safety with daily reports.
  - 5G connectivity for high speed response & streaming.
- Robust design.
- Power outlets to assist in sharing green energy.





## System Features

- Intruder analytics & human detection algorithm
- Behaviour analytics for site safety - object removal, speeding, fall-down, restricted area, PPE detection, social distancing, group gathering & more.
- Temperature screening to monitor temperature of operators.
- Mobile monitoring by all super users on multiple devices.
- 30 Days on-board recording.
- Two-way audio (optional).
- Daily safety reports. Have your sites analytic activity emailed daily, highlighting near misses, falls, unauthorised access, broken PPE regulations, & more.
- 6MP IP static bullet camera with built in “Deep Learning Analytics” with 2.8mm-12mm motorised lens and 60M ultra-low light Starlight technology.
- All static cameras are fitted with micro SD cards.
- External audio horn speaker.
- 4G & 5G connectivity.
- Latest sun and light sensitive solar panel technology.
- Built in hydrogen fuel cell unit with external 4 bottle gas compartment cabinet.
- Combined solar fuel cell technology & diesel generator.

# RCT Eco-Tower Range

The new RCT eco-tower hybrid tower has been specifically developed and designed as a “cost effect” solution for demanding off grid security applications. Using any choice of solar power, hydrogen, and diesel fuel cell technology together, the combination offers a truly reliable and robust alternative when mains or generator power are not available.

The on-board battery bank is primarily charged via the solar panels when sun and light is available which can be up to 70% during day time hours. When sun and light is insufficient, then the fuel cell or diesel engine will detect that the battery level is not being maintained and will automatically start in order to bring the battery bank back to a normal level, offering a “belt and braces” solution. This method reduces the overall requirement of hydrogen, resulting in less visits to site for resupply of gas bottles and reduced gas costs.



# Delivery - Monitoring - Maintenance

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## **Delivery:**

- Single or multiple towers, anywhere in the UK.

## **Deployment:**

- Power (110V) consultation and installation.
- Tower deployment and on-site set up.
- Camera positioning and pre-set programming with RVRC.
- Detector walk testing and audio testing fully commissioned with video monitoring station.
- Site commissioning and hand over.
- Remote site diagnostics and scene calibration.

## **Monitor:**

- Accredited CAT 2 remote video response centres.
- Ripley Communications approved monitoring station.
- Ripley Communications “command fleet status” software monitoring.


## **Maintenance:**

- Call out response.
- Annual maintenance.
- Standard and extended product warranty cover.

## **Command Fleet Status Software:**

- Set and unset information.
- Charging status and voltage info.
- State of charge battery % and current draw.
- Network signal strength dBm.
- System operating temperature.

# Installation & Support



## **System Design & Survey:**

- Full site visit security assessment.
- Detailed site survey including drone inspection.
- Detailed system layout and quotation.

## **System Installation**

- All systems assembled and tested prior to site attendance.
- Site installation including all cabling and commissioning.
- Full system test and commissioning through to monitoring station.
- All engineers qualified with CSCS cards.

## **Monitoring:**

- Accredited CAT 2 remote video response centres.
- Ripley Communications approved monitoring station.
- In house control room software and IT systems if required.

## **Maintenance & Service**

- Call out response.
- Annual maintenance.
- Standard and extended product warranty cover.
- Routine annual preventative maintenance inspection.
- Advance replacement service stock.



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