



Leading the way in
Comms, Rail and
Procurement Industries

FATCOMMS.IO

ZELLA DC

Your data centre, your way



www.zelladc.com

GLOBAL LEADING EDGE MDC LEADER



INDOOR. OUTDOOR.
ANYWHERE.

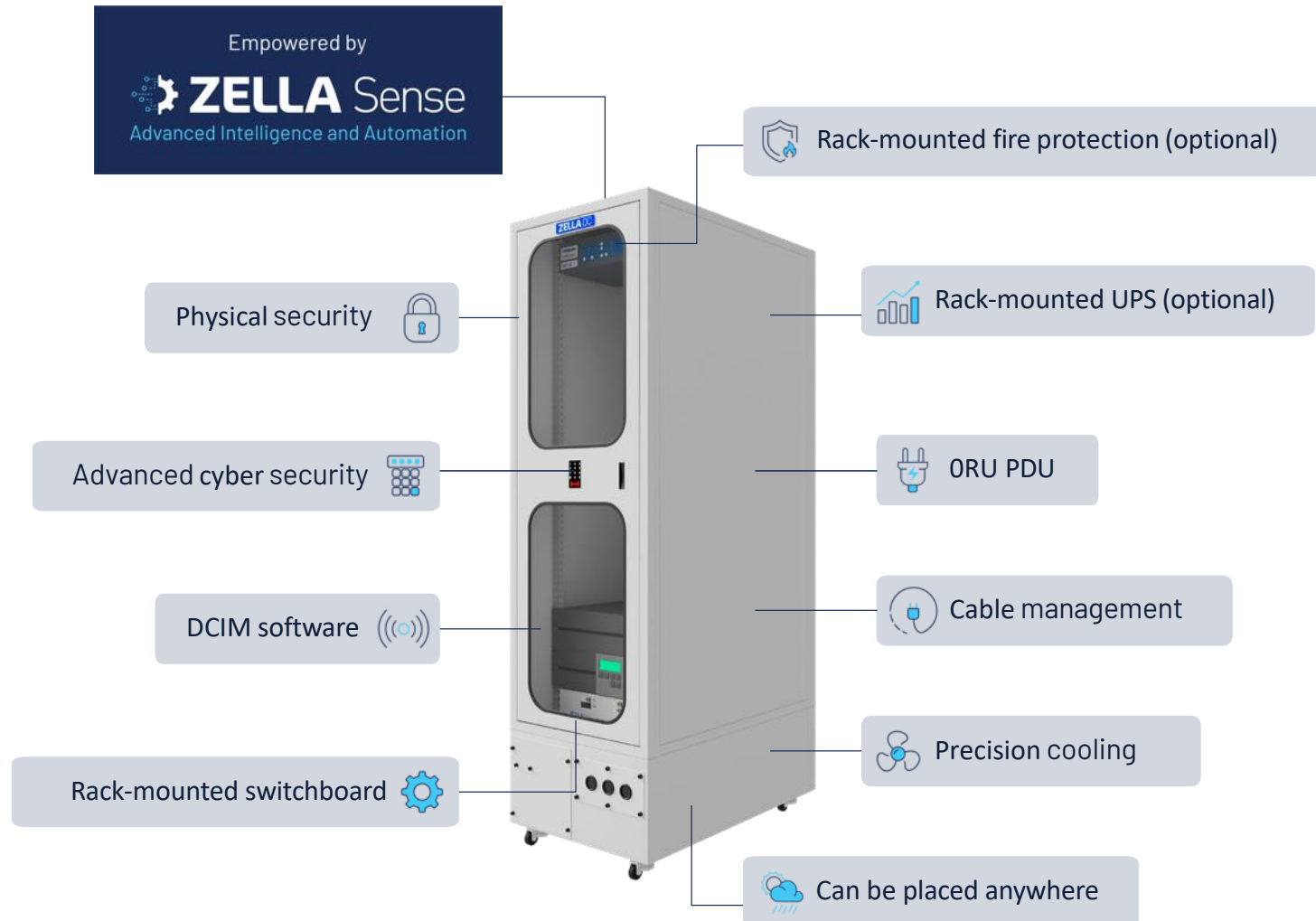


OVER 14 YEARS
OF EXPERIENCE



INDUSTRY &
VENDOR AGNOSTIC

ZELLA PRO MICRO DATA CENTRE



Install only requires electrical and air conditioning contractors - no specialists required

BUILT FOR HARSH EDGE ENVIRONMENTS

THE CHALLENGE —> THE ZELLA DC SOLUTION

- Unstable power —> Programmed responses to power events
- Heat, dust, and water —> IP65 enclosure
- Earthquakes —> Sensors, notifications, automation, & response
- Human intervention —> Logging and alerting on all physical and software changes
- Physical security —> Intelligent access with enhanced security management
- Cyber security —> Military-grade cyber security standards
- Outdated firmware —> Regular free firmware updates

INDOOR. OUTDOOR. ANYWHERE.

Our products are built on the same time proven series containing all features of the Zella Pro as standard.



ZELLA Pro

The Zella Pro micro data centre is perfect for any indoor environment and comes in three sizes: Pro 12, Pro 25, and Pro 38. Available with both single and dual cooling, Zella Pro is highly efficient, reducing your energy bills and carbon emissions.



ZELLA Max

Zella Max is a 10ft, 20ft or 40ft containerised data centre that features the Zella Pro micro data centre. It's a versatile data storage solution that can be tailored to your needs, quickly and easily deployed to any chosen location.



ZELLA Hut

Zella Hut is an outdoor standalone micro data centre, perfect for distributed edge deployments: IP65 rated, water and dust proof, and UV resistant. Zella Hut is available in three sizes: Hut 12, Hut 25, and Hut 38.



ZELLA Fort

Zella Fort is a rugged, fully scalable micro data centre for external use, suited for use in extreme environments and light enough to be carried by four soldiers. The perfect solution for disaster recovery and military edge computing.



ZELLA Sense

Experience. Insight. Innovation.

Zella Sense Advanced Intelligence and Automation is what differentiates us from the rest. Zella Sense is a key part of our DNA and is integrated into all our micro data centres.



Designed to protect your uptime at the edge

ZELLA DC'S KEY DIFFERENTIATORS



Global leader



Reduced carbon emissions



Micro data centre specialist



Highly energy efficient



Highly experienced in edge infrastructure



Smart technology and automation



MDCs for any environment



Fast and easy deployment



Only DC powered MDC on the market



Exceptional support

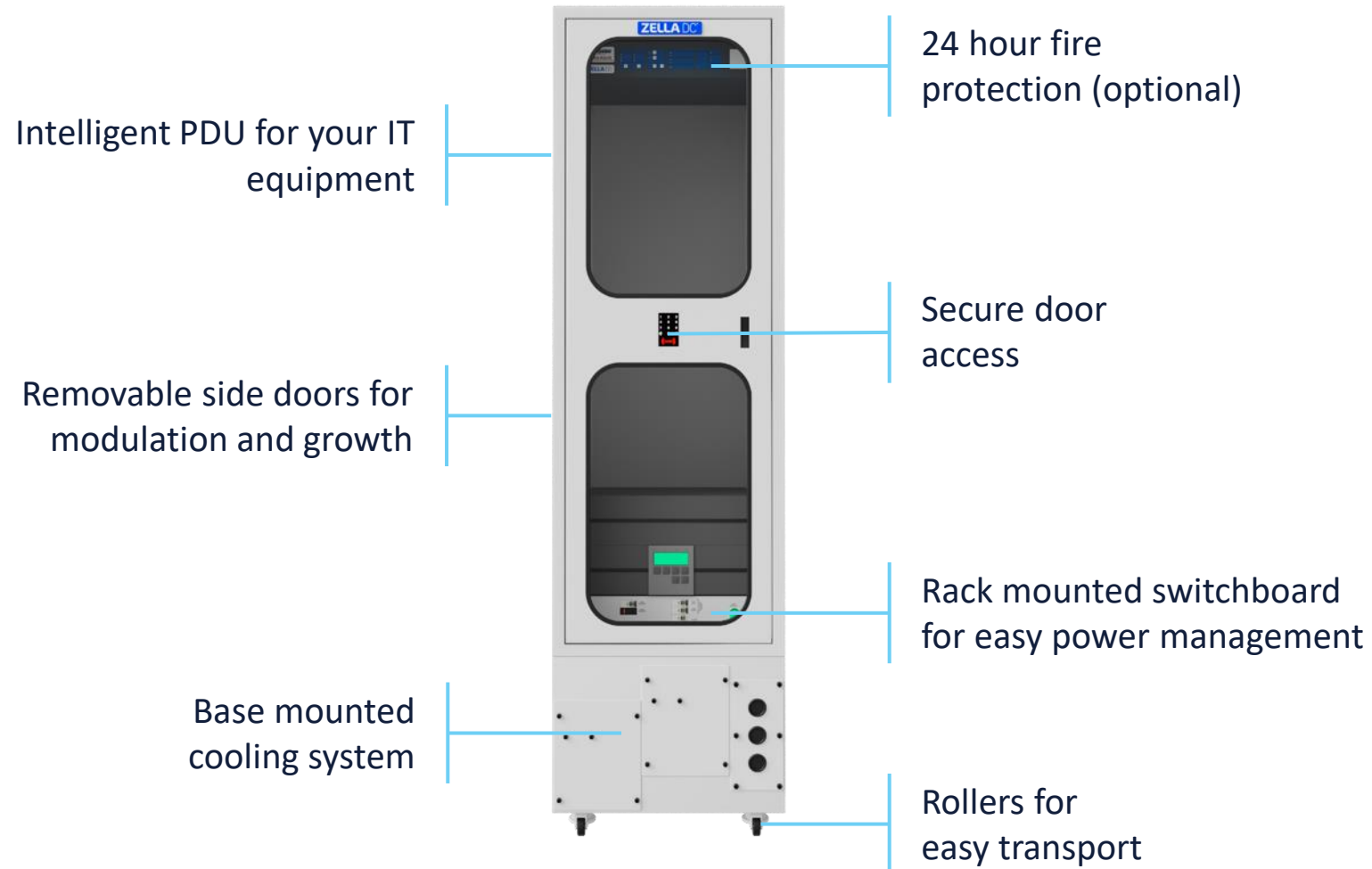


Suitable for any outdoor deployment



Australian made, distributed globally

ZELLA PRO MICRO DATA CENTRE



ZELLA PRO RANGE



ZELLA Pro12



ZELLA Pro25



ZELLA Pro38



ZELLA Pro25
dual cooling



ZELLA Pro38
dual cooling

SERVER ROOM vs ZELLA PRO

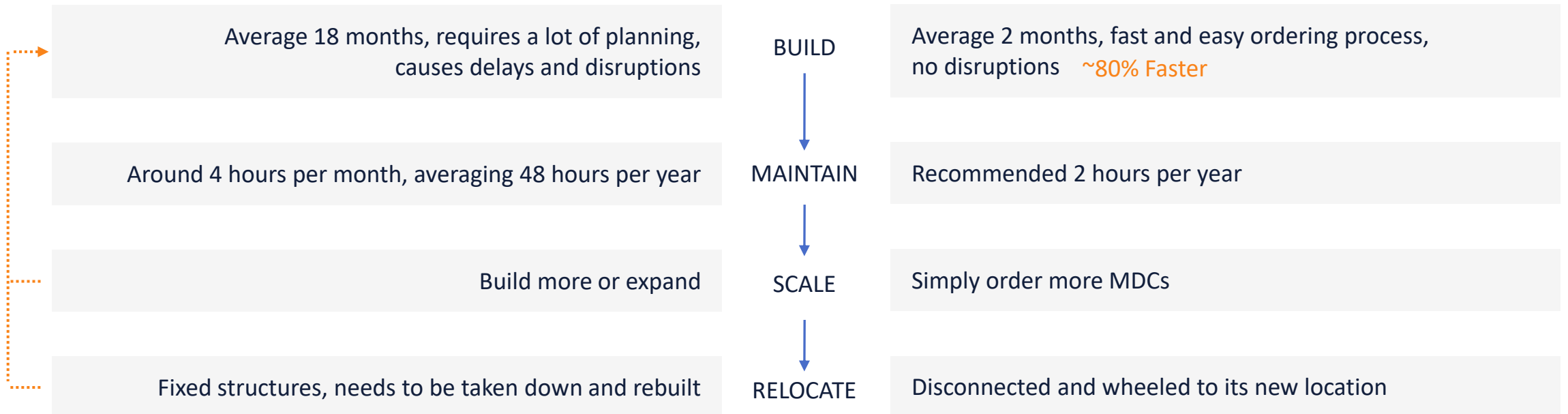


Server Room

Typical 5 Year Cost of Ownership



Zella Pro



ZELLA HUT – OUTDOOR DATA CENTRE



- Place your IT infrastructure right where you need it
- Perfect for highly distributed set up
- Built on time proven Zella Pro series
- Stand-alone outdoor micro data centre
- Rugged, water and dust proof, UV resistant

ZELLA HUT RANGE



ZELLA Hut 12



ZELLA Hut 25



ZELLA Hut 38



ZELLA Hut 25
dual cooling



ZELLA Hut 38
dual cooling

ZELLA HUT – OUTDOOR DATA CENTRE



ZELLA MAX - CONTAINERISED DATA CENTRE



- Scalable – grows with your business
- Built on the time proven Zella Pro series
- Initial investment reduced by up to 80%
- Each Zella Pro is self-contained

ZELLA MAX RANGE



ZELLA Max 10



ZELLA Max 20



ZELLA Max 40

ZELLA MAX - CONTAINERISED DATA CENTRE



ZELLA SENSE - ADVANCED INTELLIGENCE AND AUTOMATION



ZELLA Sense

Experience.
Insight.
Innovation.



Protect your uptime
at the edge.



Security



Monitoring



Control



Sensors



Automation



Software

EXCEPTIONAL SUPPORT. ANYWHERE, ANYTIME.

FAST AND EASY INSTALLATION

Zella DC products have been specifically designed to enable quick and easy installation and maintenance that can be carried out by local independent contractors.

PLUG N PLAY

All components are pre-programmed for easy replacement with a plug and play feature to minimise maintenance time and to simplify repairs process.

TICKETING SYSTEM

Our ticketing system tracks and manages all enquiries through a central location to speed up troubleshooting, query resolution, and escalation process.

24 / 7 / 365 SUPPORT

We provide 24 / 7 / 365 telephone support across the globe. A support form is also always available online for non urgent enquiries through the support portal.

CUSTOMER SUPPORT PORTAL

Our support portal includes information required to safely install and look after your micro data centre, including manuals, maintenance forms, and support form.

ENTERPRISE CLIENT PORTAL

Enterprise clients have access to a dedicated support portal, with content specifically tailored to their requirements and specifications.



SAFETY FIRST

Low voltage components



Activate and control devices remotely



Fire suppression system safe for humans, environment, and equipment



90% noise reduction



Monitor activity remotely through camera



CLOUD vs ON PREMISE



CLOUD

Security measures provided by third party - hard to know how assets are protected

Moving data between cloud servers and end user devices takes time – high latency

Cloud service costs can add up quickly, particularly when large amounts of data are transferred



ON PREMISE

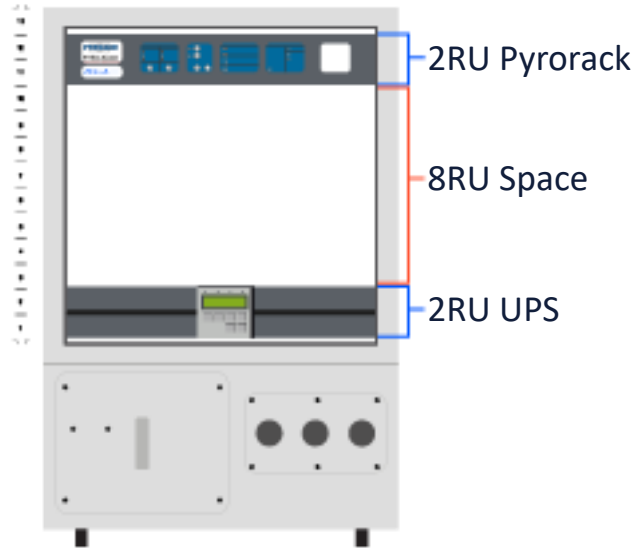


Highly secure as resources are not shared – total control over security measures

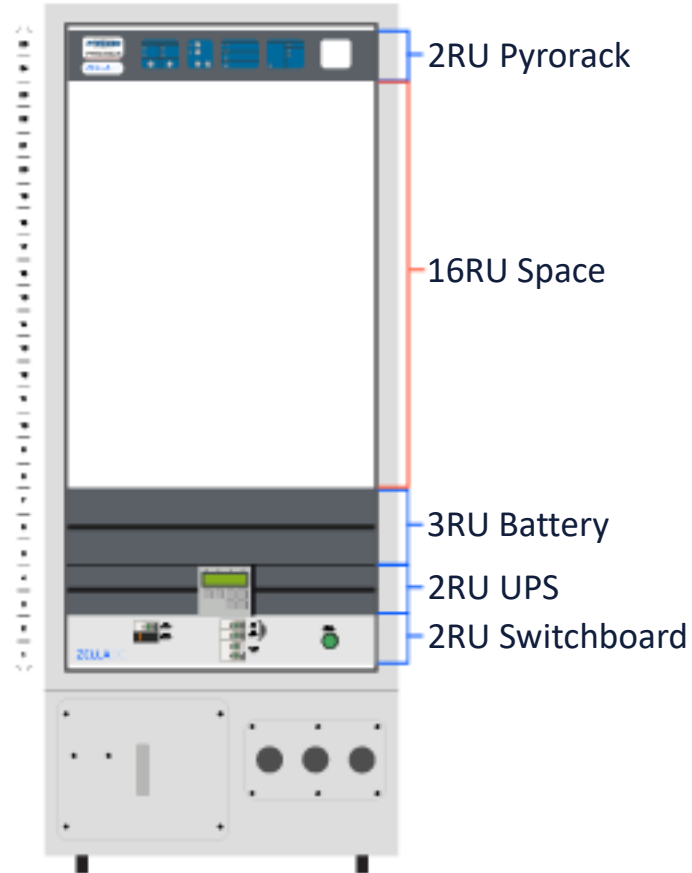
Running applications locally is the best way to minimise or eliminate latency

No subscription required to store data on site - no risk of communications outages

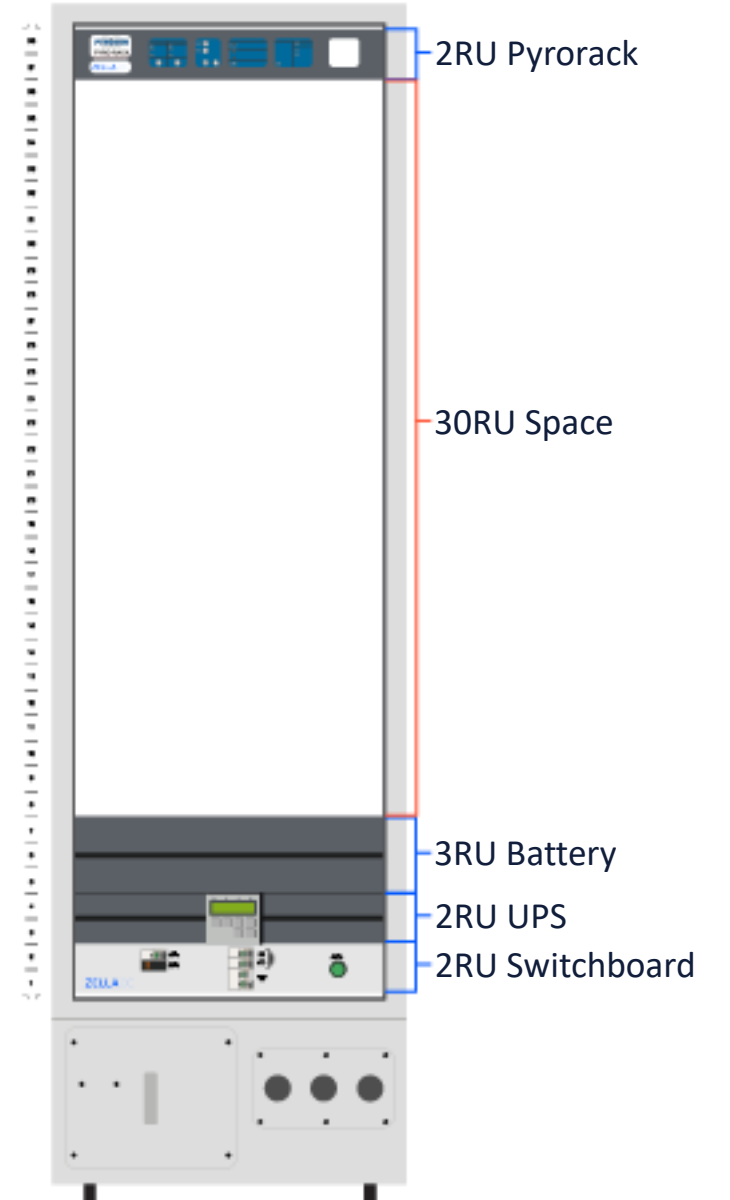
IT SPACING



ZELLA Pro12



ZELLA Pro25

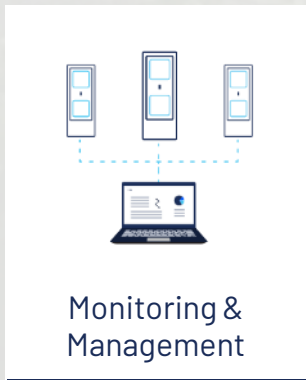


ZELLA Pro38



CARBON NEUTRAL ZELLA PRO

- First carbon neutral edge micro data centre
- Joint collaboration with IIJ and Landsvirkjun
- The Zella Pro is being used at the Landsvirkjun Iceland power station
- Sustainable development
- Renewable energy source using hydro / geo thermal technology



NEW PROJECT

TIME PROVEN TECHNOLOGY



ZELLA DC

Your data centre ... anywhere.



A HIGH ALTITUDE SOLUTION

- The national oil company of Ecuador
- Distributed sites across the Andes
- Highly challenging, hard-to-reach locations
- No local IT skilled personnel
- High altitude poses cooling challenges
- Competitors could not meet these challenges
- Zella DC accepted the challenge



Monitoring &
Management



ZELLA Pro 38



ZELLA Sense

9 YEARS IN OPERATION

TIME PROVEN TECHNOLOGY

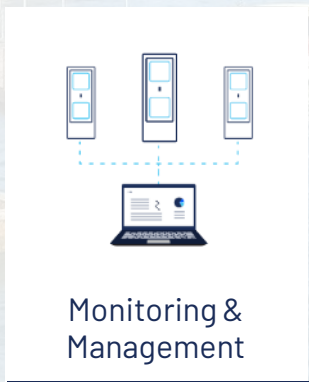
ZELLA DC

Your data centre ... anywhere.



CLOSE TO ALL THE ACTION

- Parkes & Resorts needed a quick solution
- Operating Technology close to attractions
- Distributed, standardised solution
- Central control from head office



NEW PROJECT

TIME PROVEN TECHNOLOGY



ZELLA DC

Your data centre ... anywhere.

DTE

SECURING UTILITIES

- 1 x Zella Pro 38 and 1 x Zella Hut 38
- Zella Pro is placed in an open office with noisy servers
- Limited space to build server room
- Need to house equipment near the sub-station.
- No infrastructure at the sub-station; therefore opted for a Zella Hut solution.
- Quick and easy to install and move.



Monitoring &
Management



ZELLA Pro 38
ZELLA Hut 38



ZELLA Sense

NEW PROJECT

TIME PROVEN TECHNOLOGY

ZELLA DC

Your data centre ... anywhere.



UPTIME IN PNG

- Largest group of companies in PNG
- Challenging locations
- Highly distributed ad-hoc server rooms
- Limited data centre infrastructure and cloud facilities
- Unstable power supply
- Limited IT skillset



Monitoring & Management

ZELLA Pro 38

ZELLA Sense

8 YEARS IN OPERATION

TIME PROVEN TECHNOLOGY

ZELLA DC
Your data centre ... anywhere.



SHIP IT ANYWHERE

- Australian-based shipbuilder
- Locations in multiple countries
- Deploy pre-populated infrastructure quickly
- Limited local IT skillset
- No third-party vendors or staff on site
- Unstable local power supply
- Cyber & physical security concerns



Monitoring &
Management



ZELLA Pro



ZELLA Sense

11 YEARS IN OPERATION

TIME PROVEN TECHNOLOGY



ZELLA DC

Your data centre ... anywhere.



TICKING THE REGULATORY BOX

- Global pharmaceutical with ad hoc server rooms
- Costly to run and maintain
- Did not meet FDA standards
- Standardise infrastructure across sites throughout the US
- Need to comply with FDA governing standards and keep critical data on site
- Eliminate traditional server rooms
- Move to hyper-converged infrastructure



Monitoring & Management



ZELLA Pro



ZELLA Sense

2 YEARS IN OPERATION

TIME PROVEN TECHNOLOGY

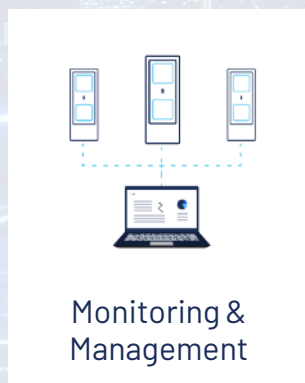
ZELLA DC

Your data centre ... anywhere.



MOVING TO THE EDGE

- Japan's largest fibre provider
- Keen to implement an edge strategy
- Sustainability focus
- Limited understanding of edge infrastructure challenges
- Standardised, indoor and outdoor solutions
- Customer concerns regarding data security
- Real-time processing at the kerbside (5G)



2 YEARS IN OPERATION

TIME PROVEN TECHNOLOGY

ZELLA DC
Your data centre ... anywhere.



CONTAINERISED DISASTER RECOVERY

- National Fisheries Authority (PNG)
- Highly distributed sites across PNG
- Remote locations
- Difficult terrain
- Scalable disaster recovery facility quickly
- Working space for IT personnel



Monitoring &
Management



ZELLA Max 20



ZELLA Sense

9 YEARS IN OPERATION

TIME PROVEN TECHNOLOGY



ZELLA DC

Your data centre ... anywhere.



AI AT THE EDGE

- 2 x Zella Pro 38 at CSIRO Data61 site in ACT
- 2 x Zella Pro 38 at the Queensland Centre for Advanced Technologies
- 10Kw per MDC
- Research team processing AI on-prem
- MDCs in office environment, next to the research team
- MDCs used for research on Artificial Intelligence, Machine Learning, Robotics, and Autonomous Systems



Monitoring &
Management



ZELLA Pro 38



ZELLA Sense

1 YEAR IN OPERATION

TIME PROVEN TECHNOLOGY

ZELLA DC

Your data centre ... anywhere.





GOLD FIELDS

SMART MINES SOLUTION

- Global gold mining company
- Central office and multiple mine site locations
- One solution for all locations
- Quite office to dusty, hot locations



Monitoring &
Management



ZELLA Pro 38



ZELLA Sense

6 YEARS IN OPERATION

TIME PROVEN TECHNOLOGY

ZELLA DC

Your data centre ... anywhere.



BARRICK

EXTREME HEAT & DUST

- JV mine site in Saudi Arabia
- Hot, dry & extreme dust
- Overheating IT equipment



Monitoring &
Management



ZELLA Pro 38



ZELLA Sense

11 YEARS IN OPERATION


TIME PROVEN TECHNOLOGY

ZELLA DC

Your data centre ... anywhere.





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Insurance \$20M. Professional
Indemnity Insurance \$5M
Workcover Insurance

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