



2024

Welcome.



The Clear Connection.



The Clear Connection.



References.

ATC ↘



↙ Maritime



Characteristics.



Team

- ↗ 60% developers
- ↗ Dedicated
- ↗ Experienced
- ↗ 24/7 available

Culture

- ↗ Quality driven
- ↗ Transparent
- ↗ Customer centric
- ↗ Pragmatic



VCCS Development.

- **100%** in house Hardware
- **100%** in house Software
- For critical communications only
 - **24/7** a day Maintenance
 - Cybersecurity
 - **12-15 years** in operation
- Minimise dependencies of Linux or Microsoft



Portfolio.

Analogue & IP TCS990 (2010)



Full IP SureVoice (2023)



5,7 inch



5,7 inch



7 inch



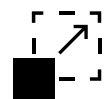
12,1 inch



7 inch



12 inch



256



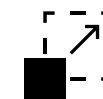
MTBF
>1 mln



30 sec



Low power
Consumption



MTBF
>1 mln



30 sec



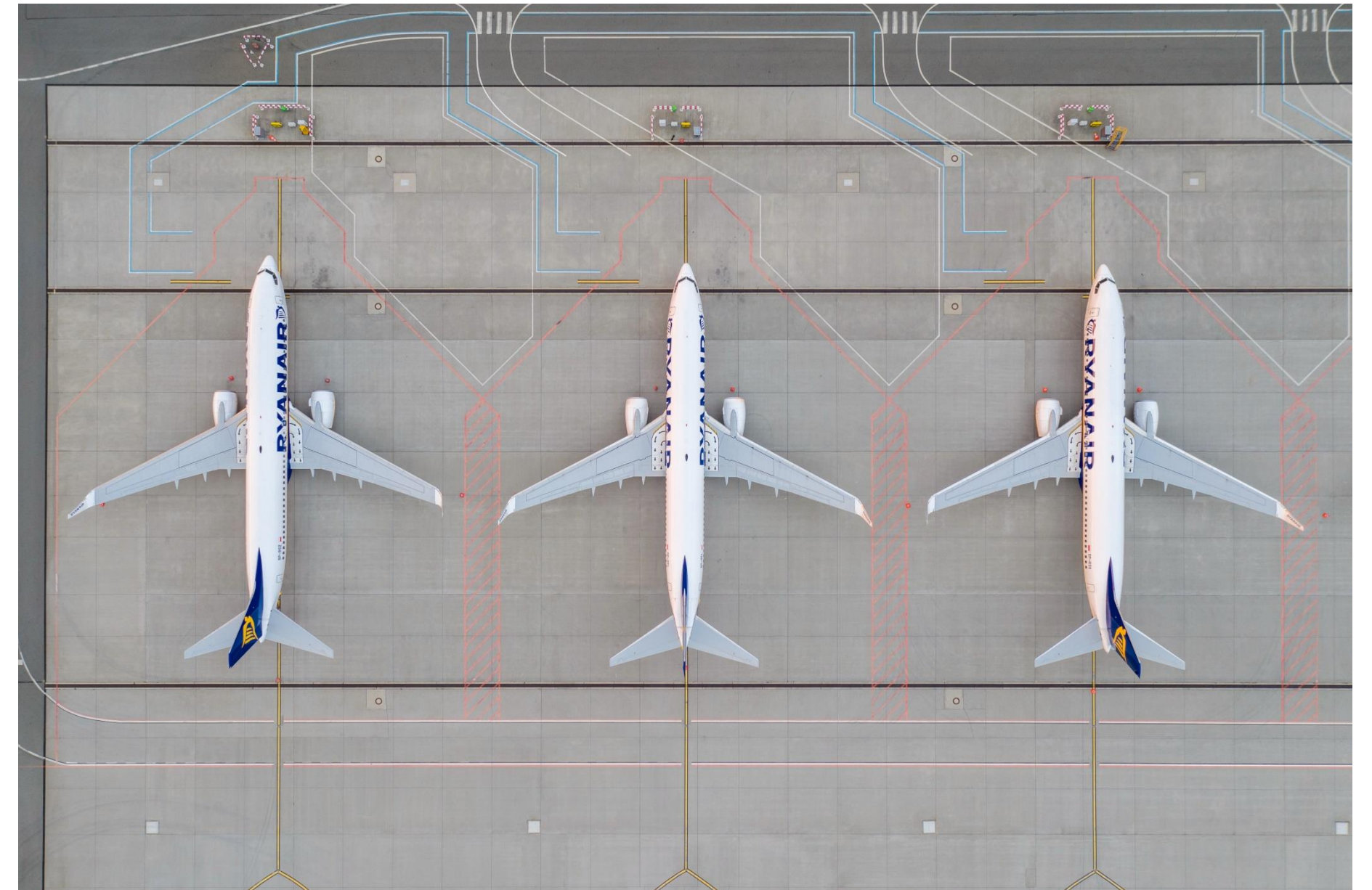
Low power
Consumption



Organisation.

Global network.

- 300 MEP systems **24/7** in operation
- **25** Authorized partners
- **125** Certified engineers
- **25** Different brand integrations



Examples MEP.

implementations.



- Seaport Rotterdam (Netherlands)
- 3 main VCS 50 positions, geo redundant
- 3 Emergency VCS
- 1 fallback system with 15 consoles
- 76 radio transmitters, 90 receivers, 70 antennas, 188 network connections
- No unplanned downtime,
99,97% availability **since 2008**
- 2016: new consoles
- 2022: **ED137 full IP simulcast**

Examples MEP

implementations.



- Heathrow EVCS (England)
- Chosen for **analogue solution** to avoid common faults IP main system
- **8** radio's, **10** CWP
- **Crash alarm system** included
- Missed approach system included

Heathrow
Making every journey better

Examples MEP

implementations.



BANDAR UDARA
INTERNASIONAL **Sentani** INTERNATIONAL
JAYAPURA AIRPORT

- Sentani (Papua, Indonesia)
- **Main system**, redundant IP connected CWP's and speakerbox
- Separated network connections
- **23** analogue radio's, **7** IP radio's, **28** CWP
- Prepared for transition to full IP
- Work hour registration

Examples MEP.

implementations.



Examples MEP

implementations.

Project X

Reference Y

- Customer under **NDA**
- *Largest tender*, in history MEP
- Development required
- Capacity increased



Thank you.

The Clear Connection.

