

televic
conference

High End Audio Conferencing with Multimedia

Richard Cazin





Shaping History

Televisic has been part of the rich European history. From the very first meetings to today.

European Commission 1972
Brussel

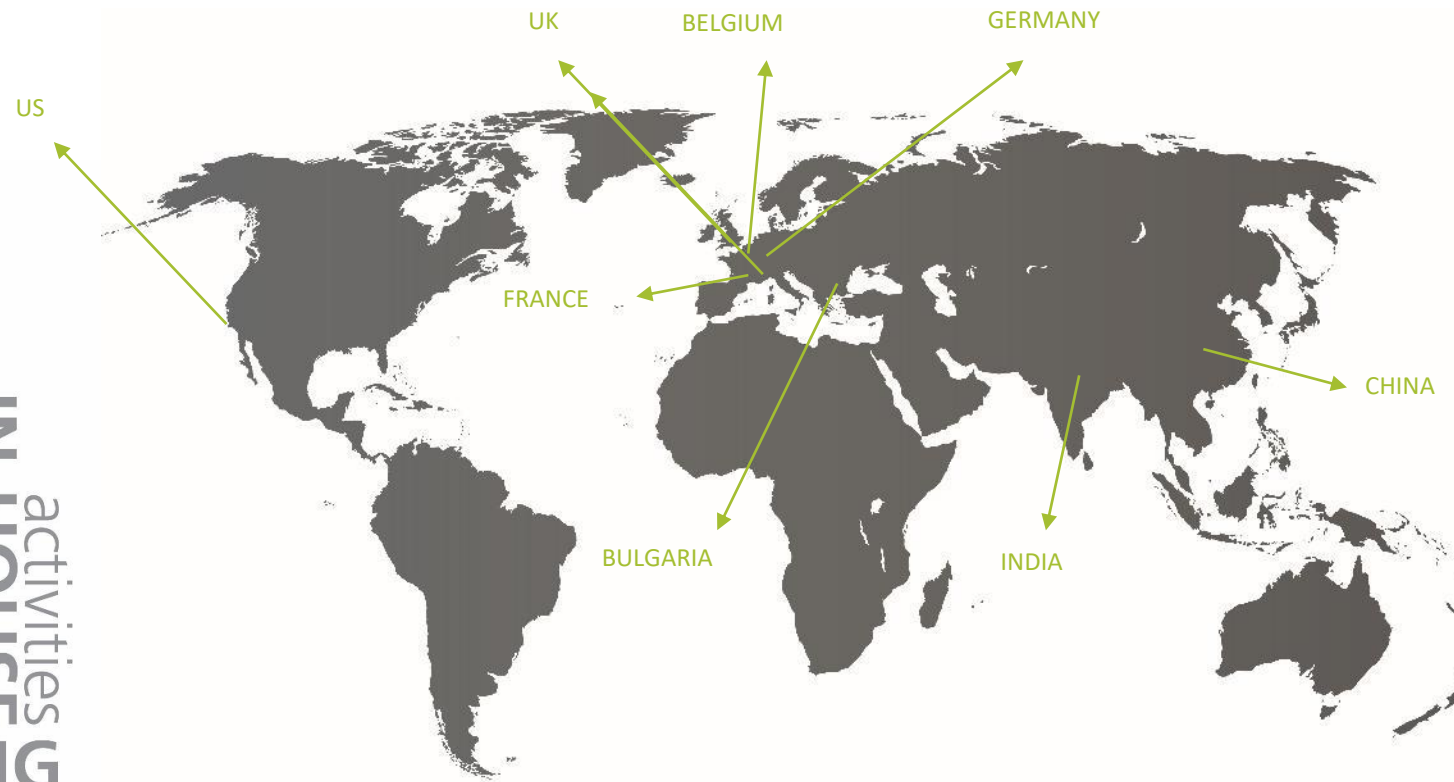
Shaping Future

Televisic in the worlds' most
advanced conference room

United Nations 2016
Geneva



since 1946 ^{10 sites}
>550
^{4 core values}
IN-HOUSE activities
INCREASING



Is everyone present?

Several speakers at the same time

I can't hear the speaker at the back

Who's speaking?

I forgot the minutes

Who's next?

I can't see the speaker

I cannot see the
projection screen!

Did we record the meeting?

I want to share video/multimedia
content.

Has everyone voted?

I don't understand the language



Bringing focus and efficiency to your meetings:



✓ moderated discussion – protocol



✓ electronic voting – presence, identification authentication



✓ simultaneous interpretation - language distribution

Multimedia – Content Sharing

Meeting Signage

Metadata

Camera Control

Recording

E-gov

Vertical Markets



International
Institutions



Parliaments



City Councils



Authorities



Court rooms



Rental/Hotels



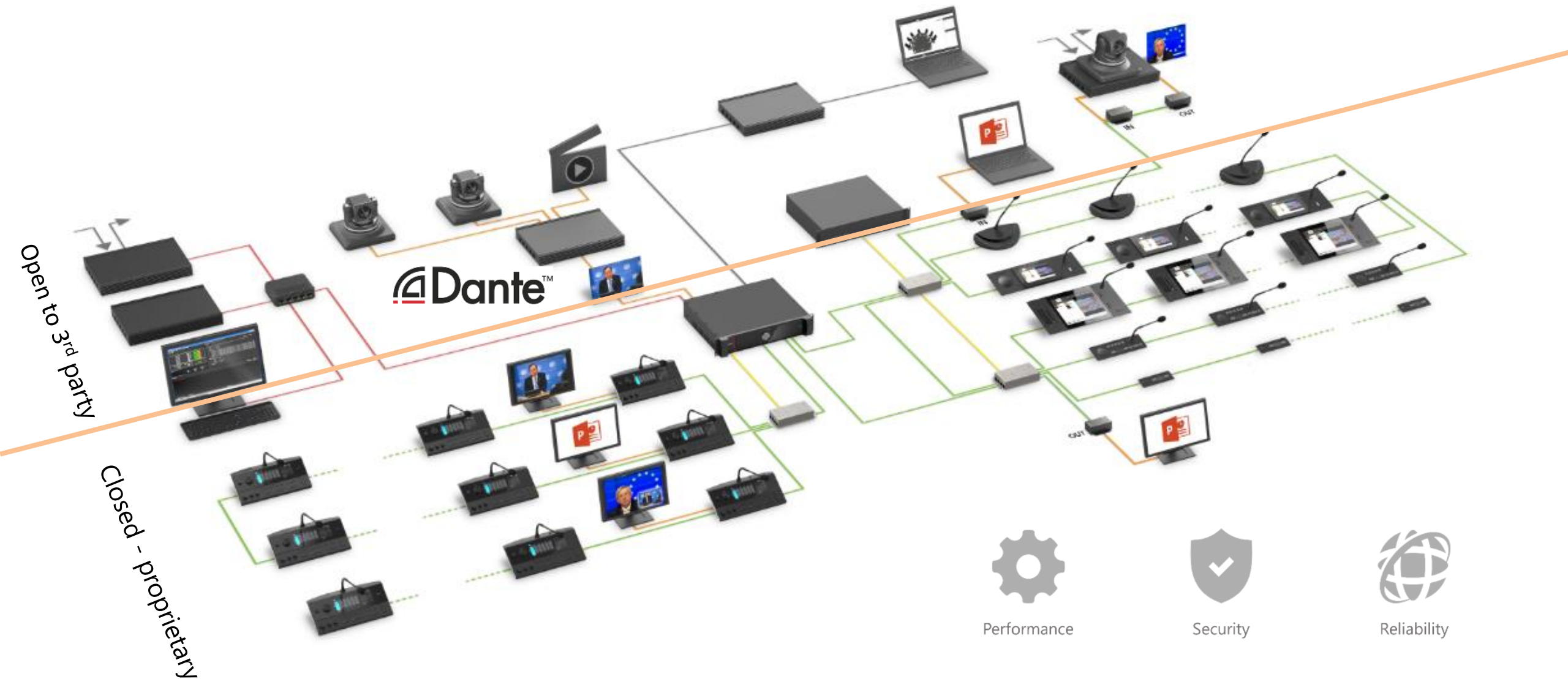
Education



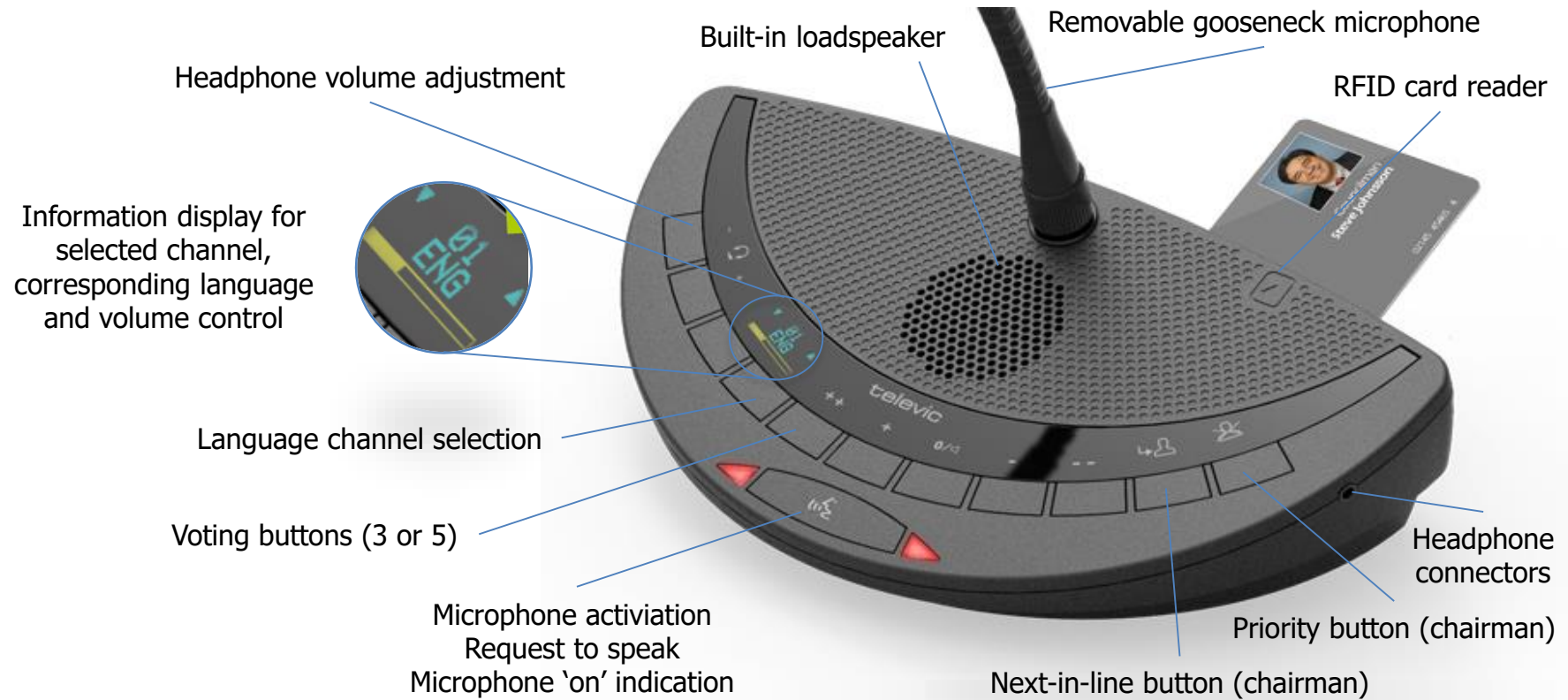
Corporate

PLIXUS

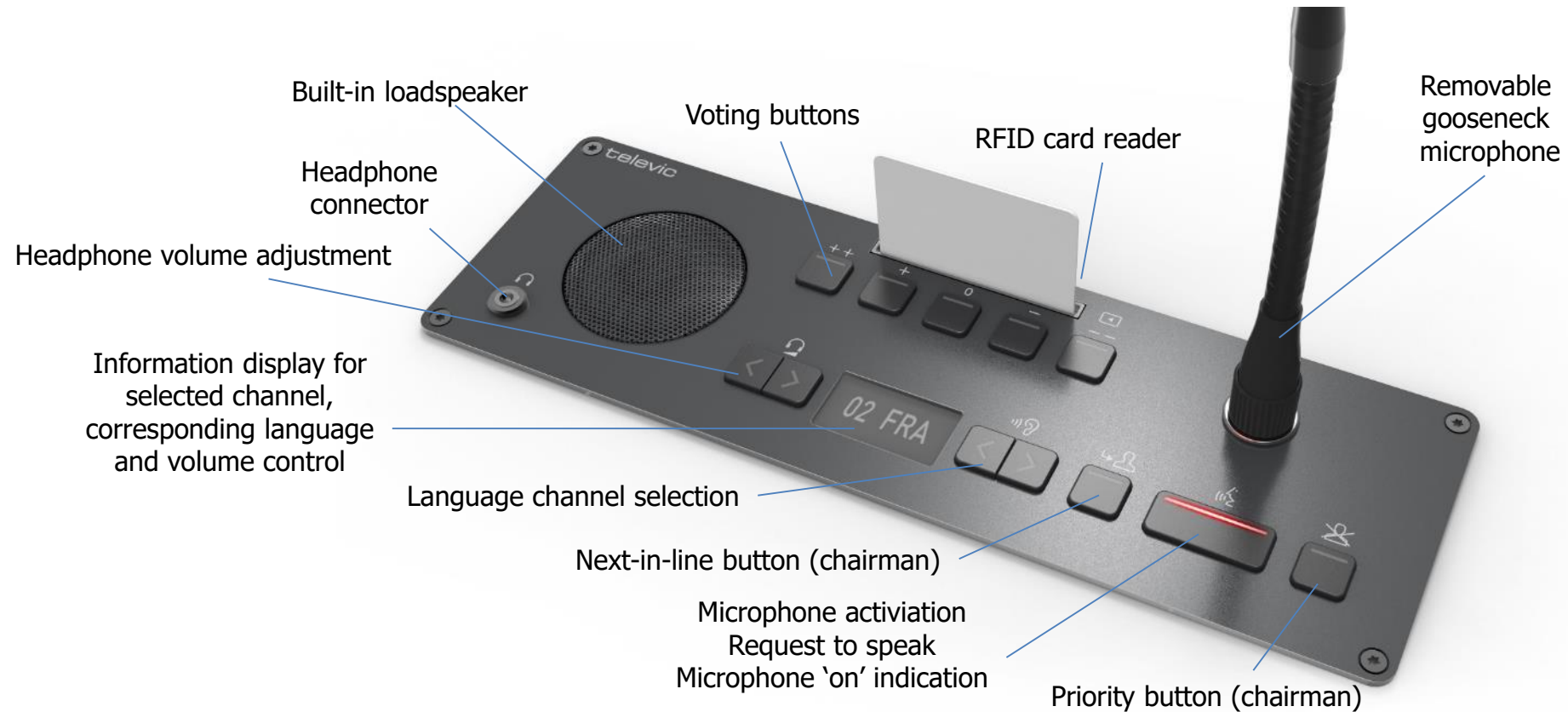
Multimedia Conference Solution



Confidea T – Plixus driven

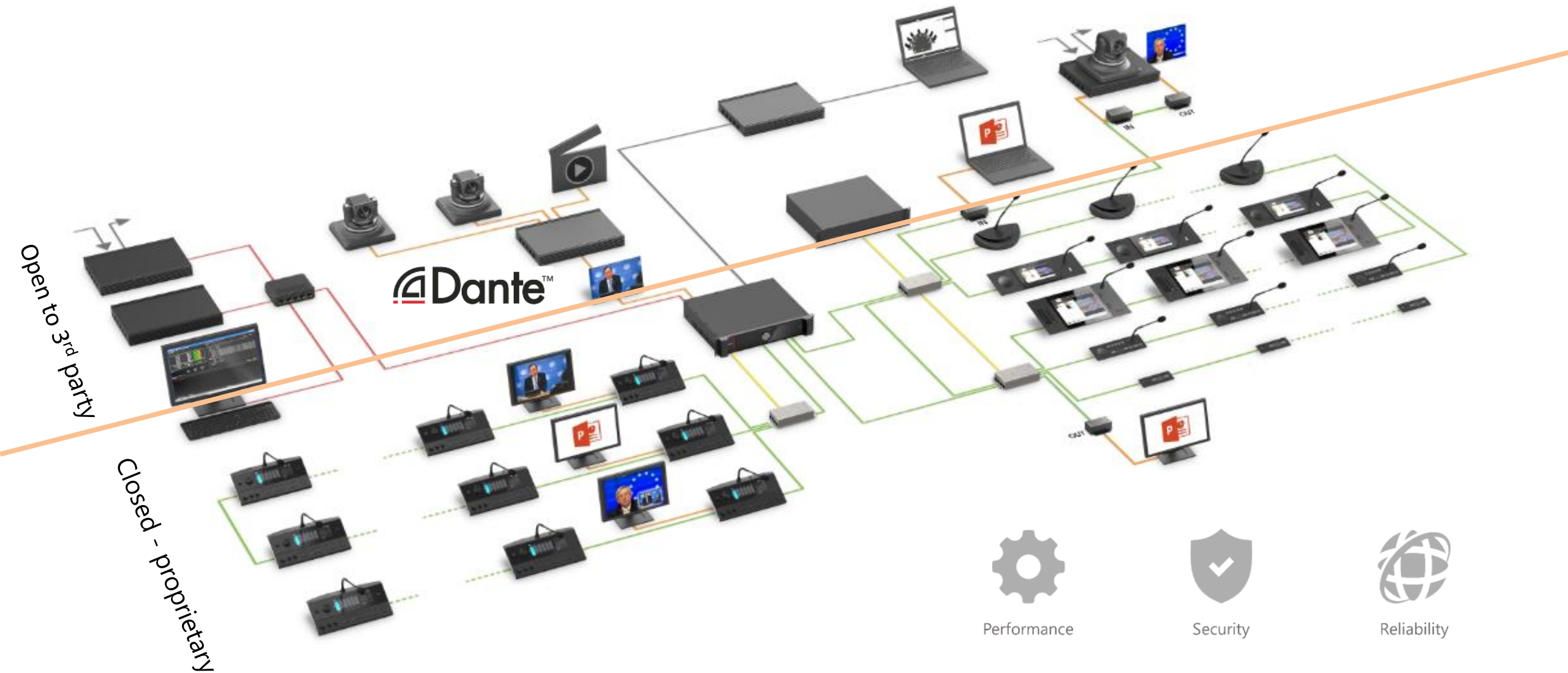


Confidea F – Plixus driven



PLIXUS

Multimedia Conference Solution



uniCOS 7" Multimedia Device

uniCOS:

an interactive
experience

Capacitive Touch Screen

- Multi-touch
- Highly responsive
- Tablet-like experience



Multitude of functionality



uniCOS Multimedia 10" with integrated camera



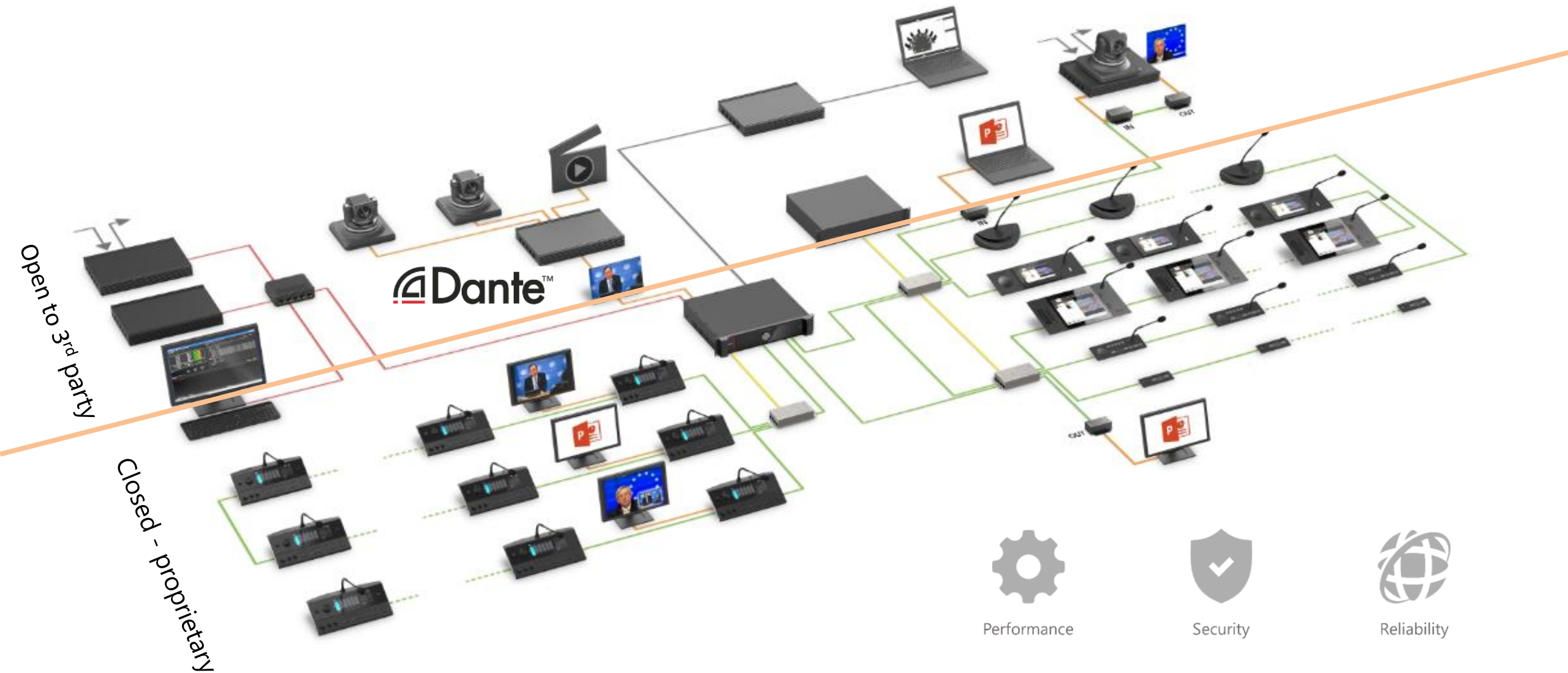
De Wolden City Council

De Wolden, NETHERLANDS
2016



PLIXUS

Multimedia Conference Solution



Lingua Interpreter Desk – Lip-synched video



- User centric design, with interactive menu
- HD video, lip-sync'd without additional wiring
- HDMI output on Plixus interpreter desk
- Interpreting away from the conference room but keeping the visual contact with the speaker
- Braille indications, tactile references and audible feedback to guide **visually impaired interpreters**



The first **designed BY and FOR** INTERPRETER DESK

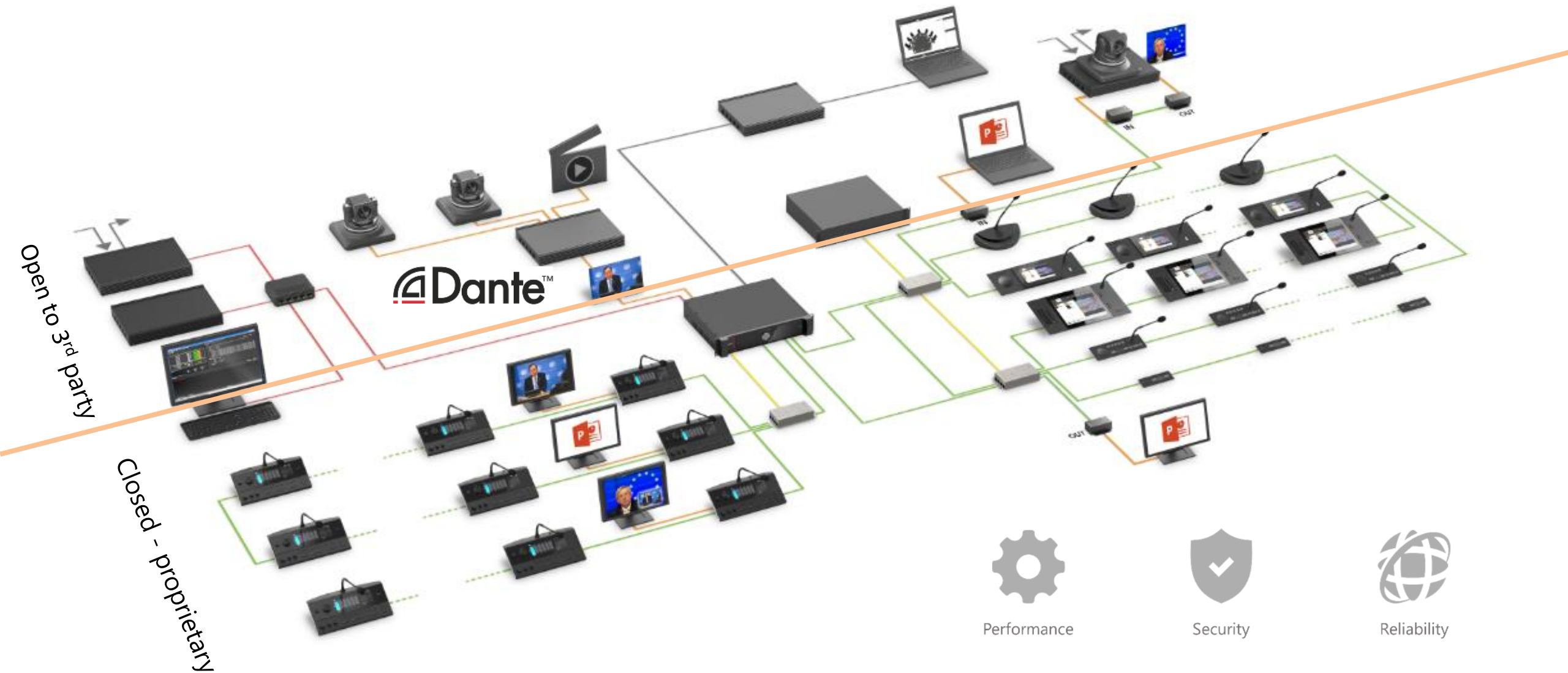
Lingua Interpreter desk with lip-synched video

UNO Geneva



PLIXUS

Multimedia Conference Solution



Plixus V-IN Box

Plixus V-OUT Box



HDMI In



Delegate Unit with Integrated Camera

- Power over Plixus network cable
- Activation of camera is controlled by last active microphone activation (“Talking Head channel”)



Use camera footage for Interpreters, visibility in big rooms,
remote video conference etc



Integrated Camera

Delegate Units with Integrated Camera

UNO General Assembly Geneva



Video over **X**PLIXUS network

INPUTS

Sources	Input Possibility
	 HD/SDI-in on Plixus MME
	 HDMI of Video-In Box
	 Integration in delegate unit



OUTPUTS

Output Possibility	Destinations
 uniCOS F/MM	
 HDMI of Video-Out Box	
 Lingua ID-MM	

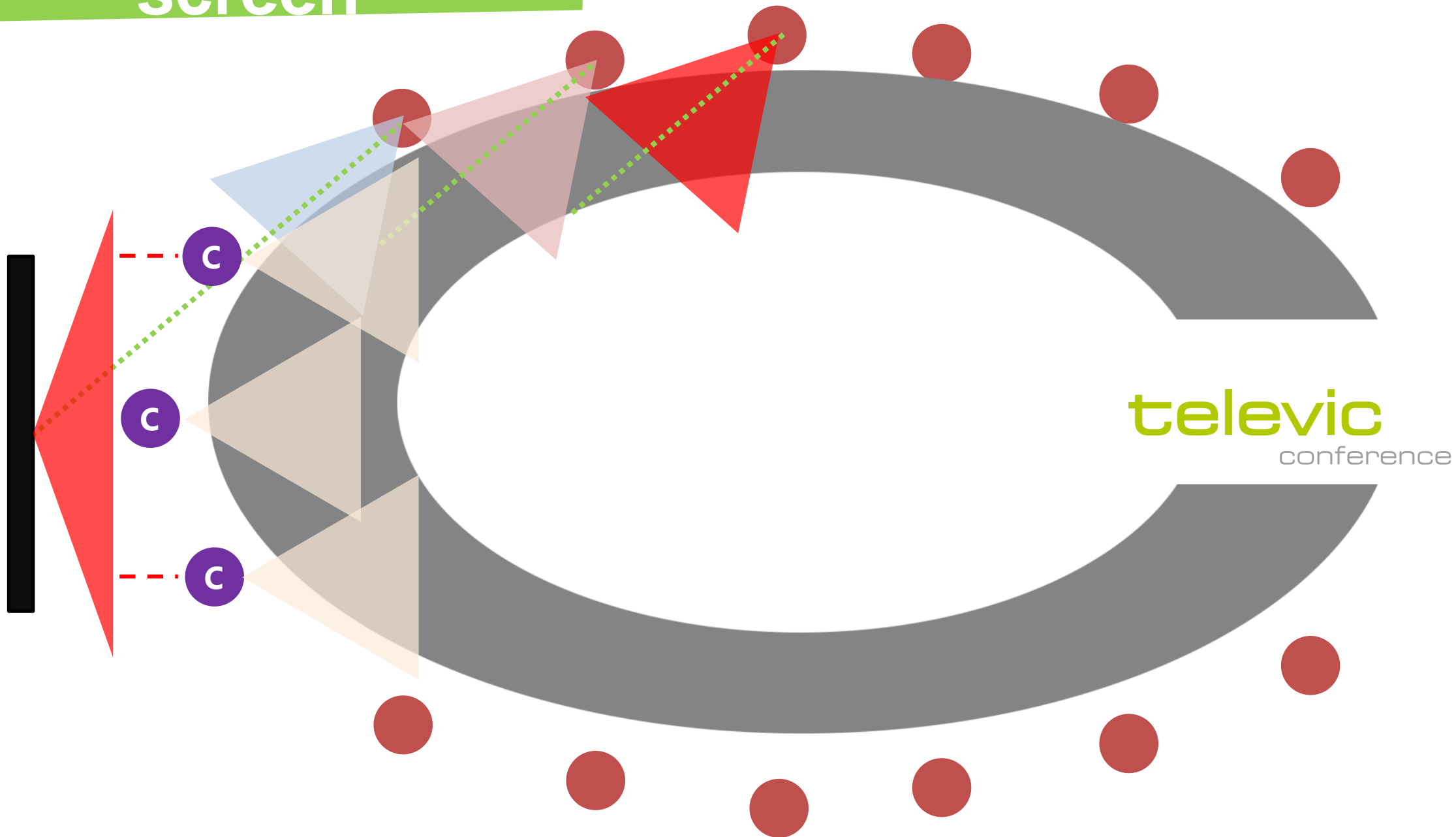
6 Simultaneous streams in Full HD – One Cable

Multimedia delegate units - room architecture

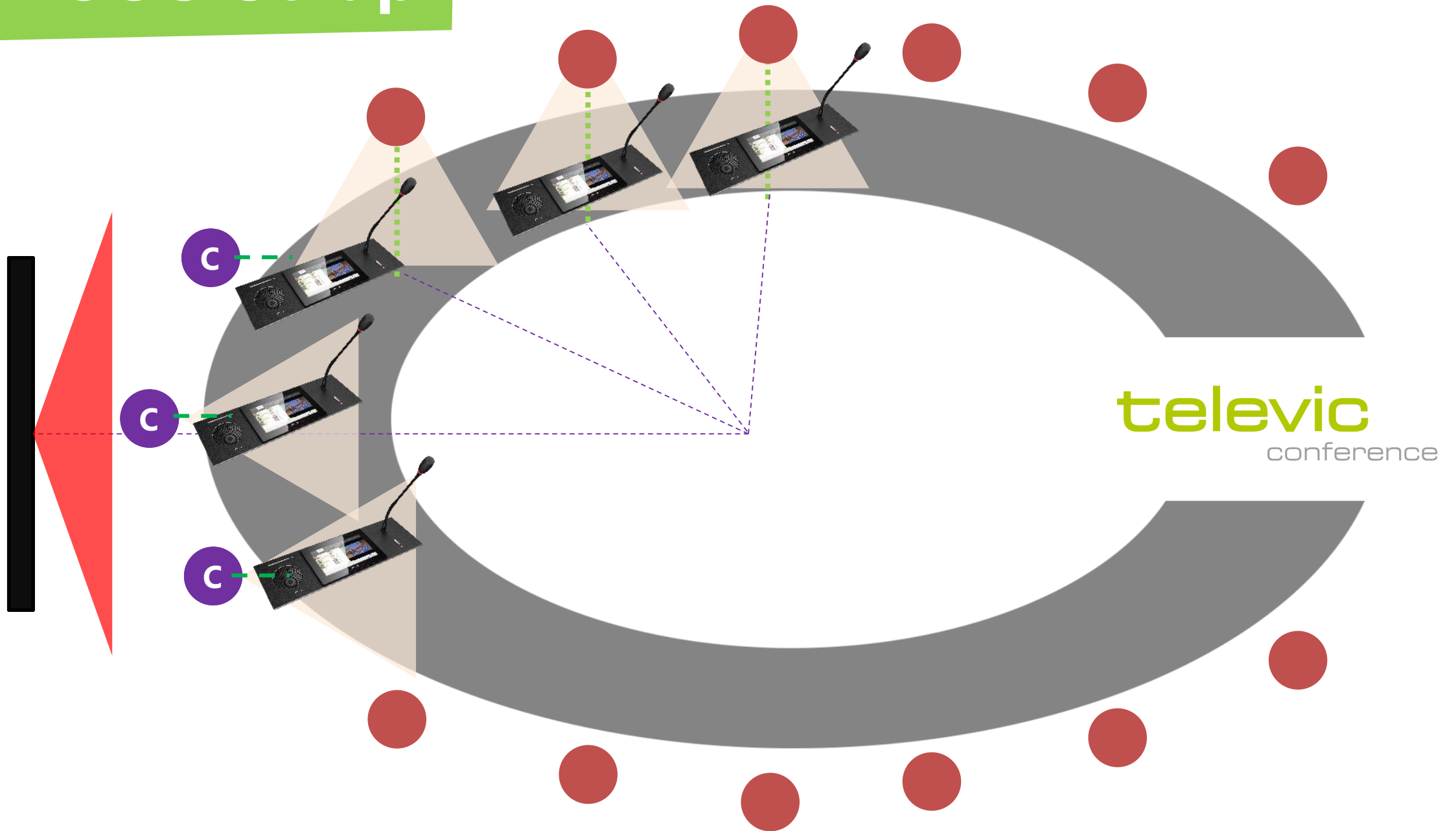


Unesco PARIS 90xUnicos, 13xLingua ID

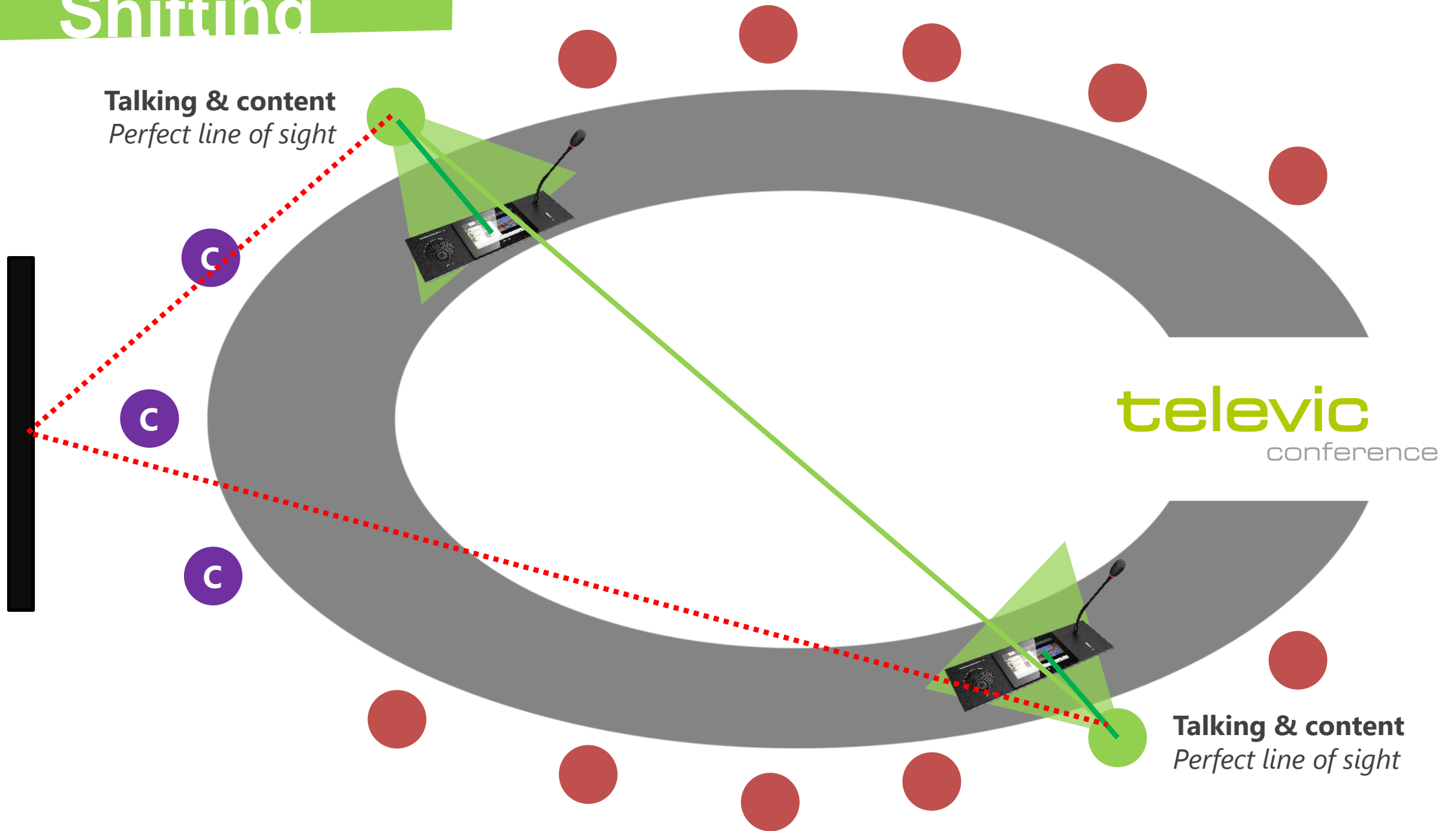
Can't see the
screen



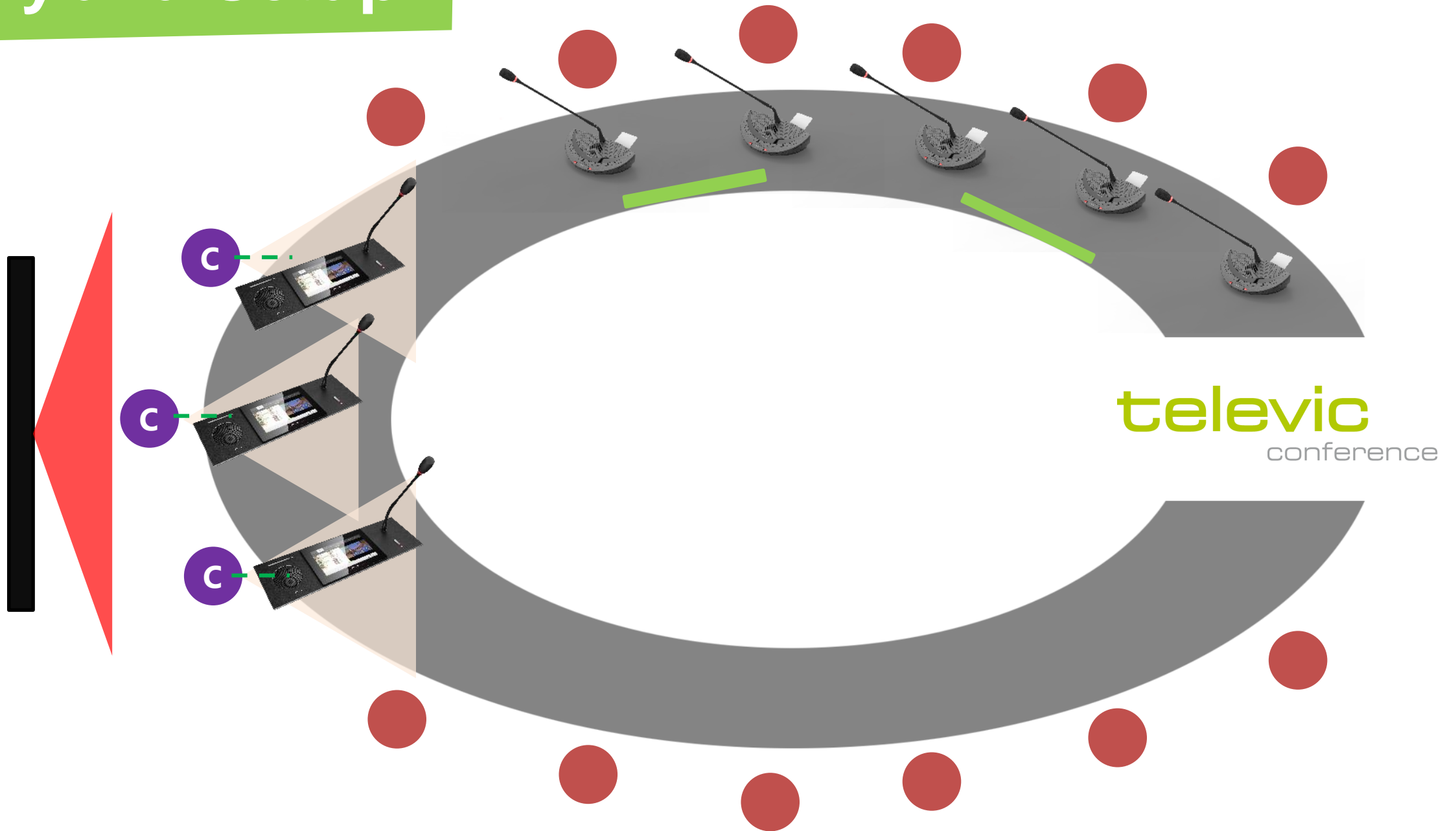
uniCOS Setup



Focus Shifting



Hybrid Setup



Electronic Name Plate



Paper name plates:

- Labour Intensive
- Errors
- Last minute changes



Televic E-ink alternative:

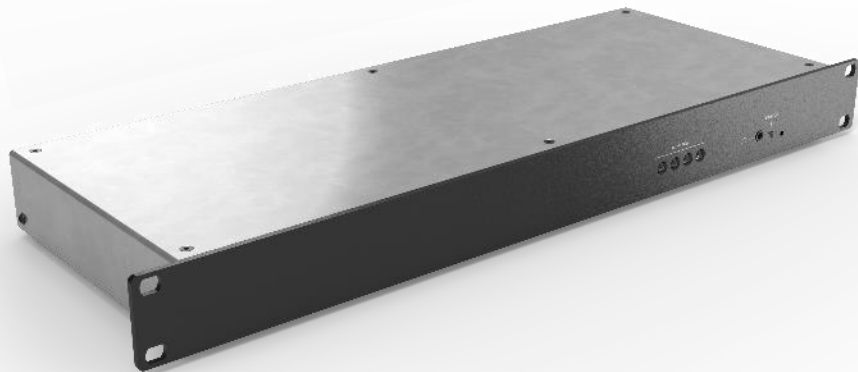
- Fully Integrated in Conference Solution
- Auto-identification of participants (badge)
- Wide viewing angle ($\sim 180^\circ$)
- Easy & flexible updating of display contents

UNO Geneva



Infrared Language Distribution.

 **Dante™**
SPOKEN HERE



CoCon Management Software

The image displays the CoCon Management Software interface and its physical product box. The box is green and white, featuring the 'televic conference' logo and a photo of a meeting. The software interface is shown in three overlapping windows:

- Room Configurator:** This window allows users to configure a meeting room. It includes a menu bar with 'File', 'Detect units', 'Edit synoptic', 'Assign units', and 'Edit nodes'. Below the menu is a toolbar with icons for 'Save', 'Initialization Wizard', 'Start init', 'Stop init', 'Resume init', and 'Retrieve Initialization'. The main area shows a 3D rendering of a round table with chairs. To the left, a table lists 'UNITS IN THE SYSTEM' with columns for 'Nr', 'Type', and 'Capabilities'. To the right, a table lists 'NODES IN THE SYNOPTIC' with columns for 'Nr', 'Name', 'Prk', 'X', 'Y', and 'D'.
- Agenda:** This window shows a list of discussion items for a meeting. It includes a menu bar with 'File', 'Home', and 'Agenda'. Below the menu is a toolbar with icons for 'Add item', 'Delete item', 'Move up', 'Move down', 'Decrease indent', 'Increase indent', 'Expand all', 'Collapse all', 'Hide Type', and 'Details'. The main area shows a list of discussion items, including 'Discussion item 1: Welcome to participants (Vice-president)', 'Discussion item 2: Agenda overview for 8th council meeting', and 'Discussion item 3: Pool Renovation'. Below the list, there is a section for 'Voting Item 3.2' with tabs for 'General', 'Settings', 'Timer', 'Voting Timer', 'Quorum', 'Outcome', and 'Hung Vote'. The 'General' tab shows the title 'Approval of the renovation budget' and a description. The 'Voting Timer' tab shows the number of voting options (2, 3, 4, 5) and their descriptions (Yes, Abstain, No).
- Biweekly City Council Commission:** This window shows a bar chart for the '2014/12B-1 VT: Approval of traffic plan'. The chart has three bars: 'Yes' (green, value 4), 'Abstain' (yellow, value 2), and 'No' (red, value 1). Below the chart, a table shows the results: 'Yes' (4), 'Abstain' (2), and 'No' (1).

The bottom of the interface shows a status bar with 'Connections', 'Faults', and 'New meeting - 26/05/2014'.

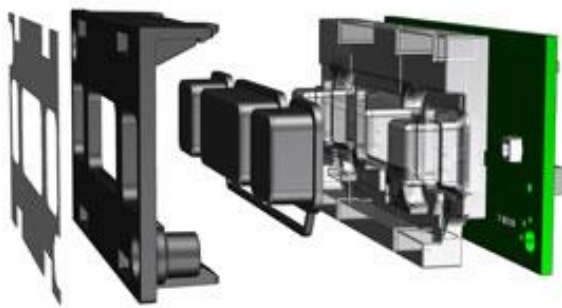
Flexibility

Controlling every aspect of our products gives us an edge in tailor-made solutions.

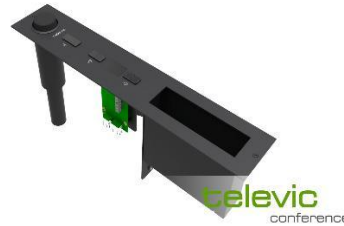


Customisation of delegate units

- Color & Material , shape
- Text screening
- Size
- USB chargers, power
- Company, city logo
- ...



Modular approach

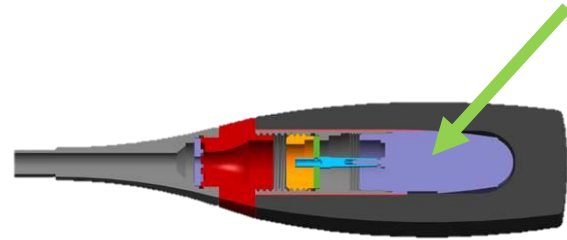


Customisation of delegate units



High End Microphone(Available)

- Based on the standard Televic microphone
- With AKG capsule inside for broadcast quality



- Subtle visual difference through the slightly taller wind shield



High End Microphone

Two versions of the High-End Microphone (both at 40cm):

- **71.98.0072** D-MIC40BC-Cardioid
- **71.98.0073** D-MIC40BC-Hypercardioid

Based on two different AKG capsules:



CK 31 capsule: cardioid pick-up pattern.

Typical use: delegate microphone because of the wider pickup pattern, certainly when 2 delegates are using the same microphone.



CK 33 capsule: hypercardioid pick-up pattern.

Typical use: presidency table

T-CAM Camera Control



Camera tracking package



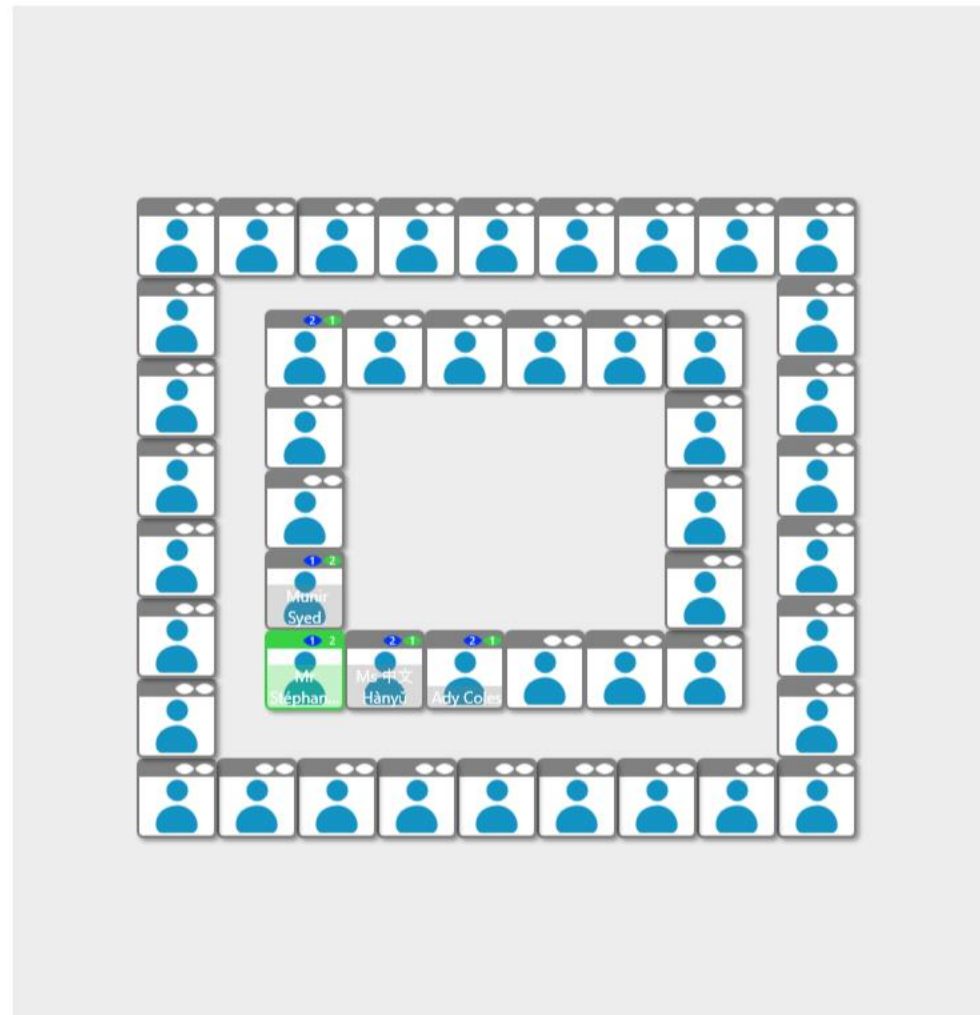
- Complete **plug-and-play** camera tracking system
- Up to 2 - 4 cameras (Televic branded)
- Easy to install
- **Intuitive** user interface
- Compatible with Plexus, Confidea G3 and D-Cerno



Current Caption	Mr Stéphane Lefèvre
-----------------	---------------------

Camera Control

Activate Edit 150 %



D-Cerno

Plug and Play

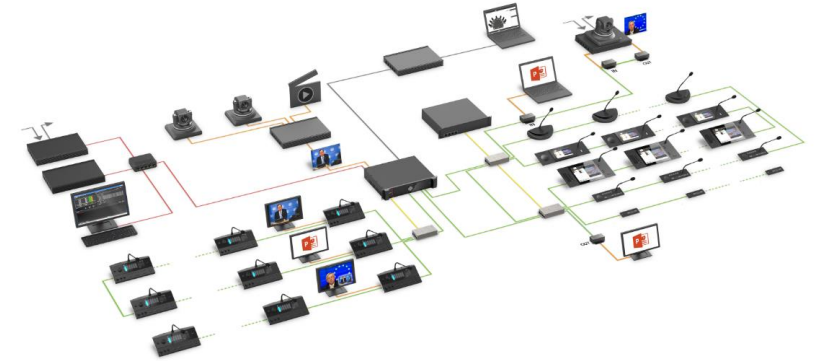


Confidea®

Wireless G3



PLIXUS
Multimedia Conference Solution



CoCon Software



T-Cam

Confidea® G3 Discussion



- Design update
- Simplified user interface



Confidea® G3

Battery

- Higher Autonomy
 - Same battery
 - Better autonomy
 - > 28 Hours !



Confidea® G3

Access Point

- More powerful built-in web server
 - Intuitive control
 - Optimized for Touch & Mobile
- AES encryption





Confidea® G3

Simple Integration

A few examples

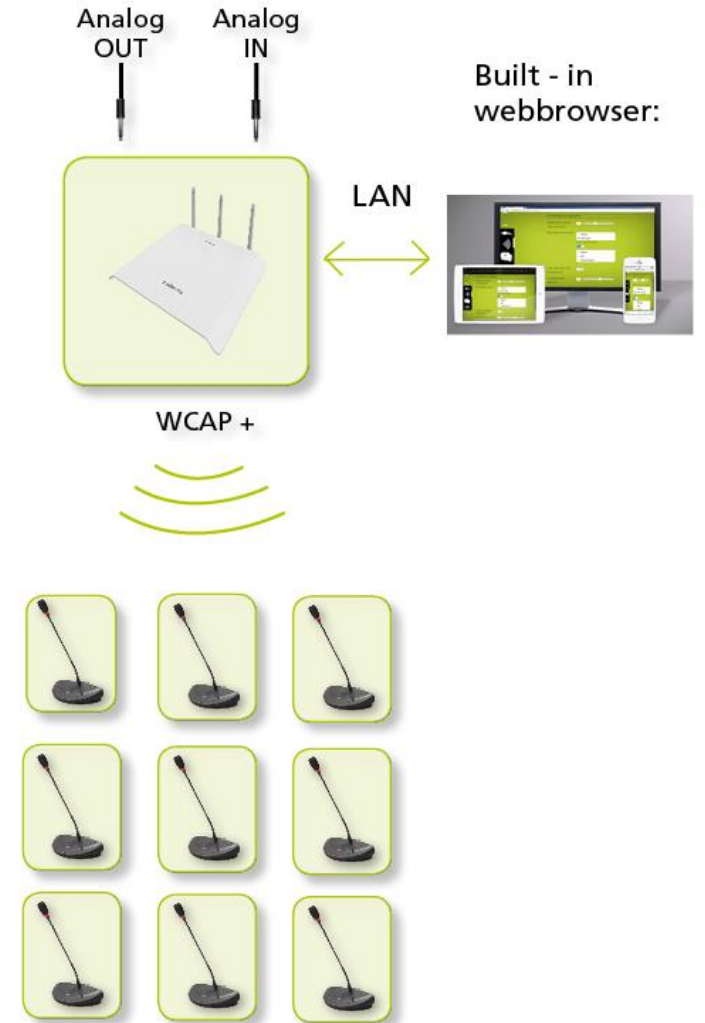
Application Confidea® G3

Basic discussion

Out-of-the box operation with minimum amount of equipment

Equipment list:

- Confidea WCAP+ G3
- Delegate/Chairman units
- Laptop/Tablet/Smartphone for setup and control



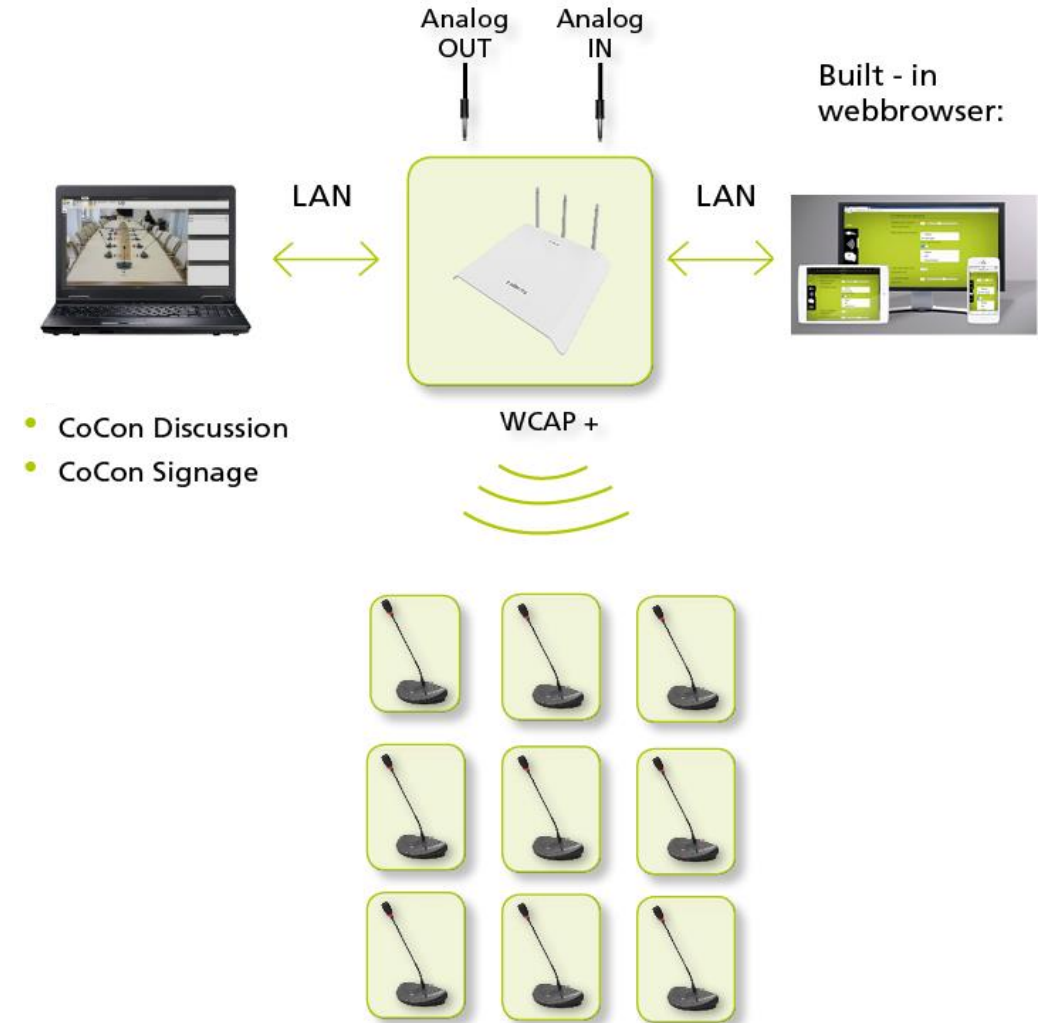
Application Confidea® G3

Advanced Discussion

Added Control and Display
with [CoCon Control Software](#)

Equipment list:

- Confidea WCAP+ G3
- Delegate/Chairman units
- Laptop/Desktop for setup and control
- CoCon Discussion & Signage



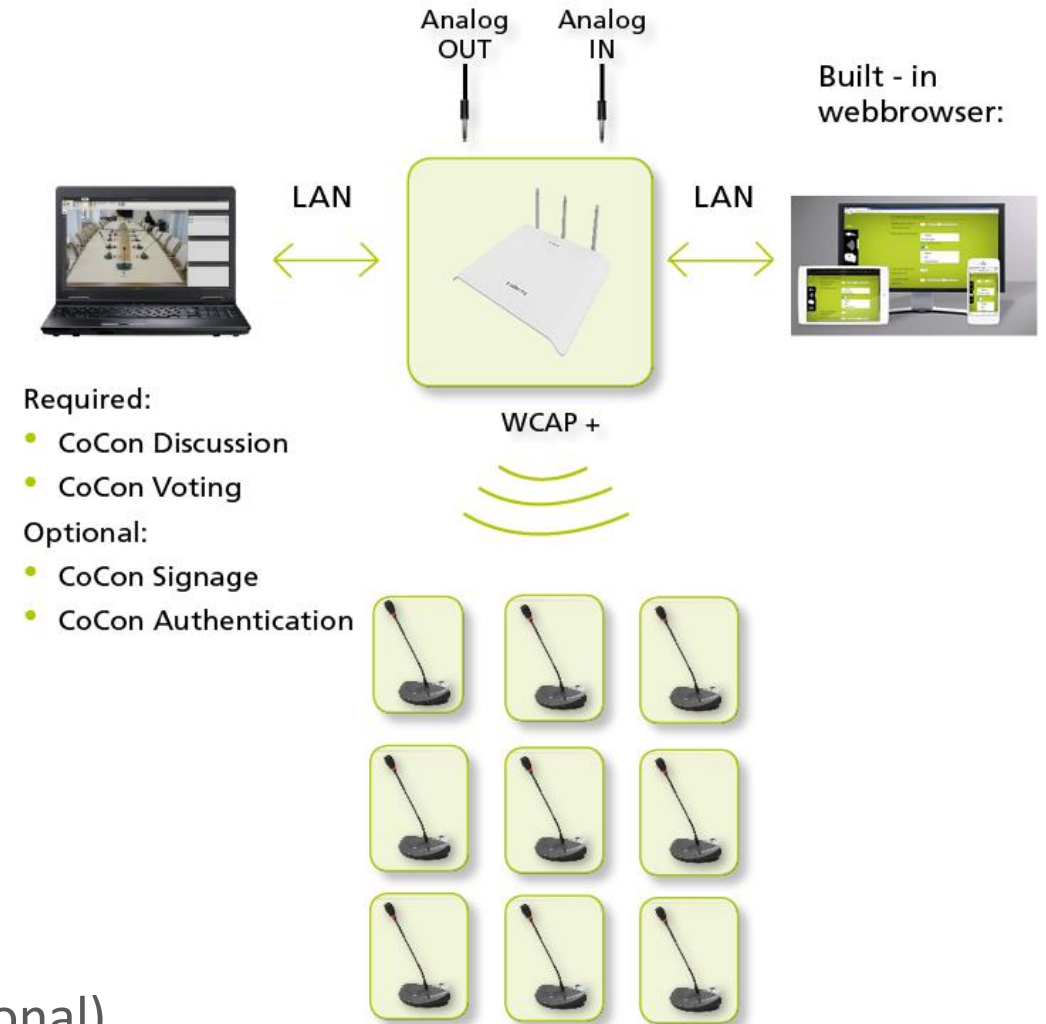
Application Confidea® G3

Discussion & Voting

Voting Control and Display
with [CoCon Control Software](#)

Equipment list:

- Confidea WCAP+ G3
- Delegate/Chairman units
- Laptop/Desktop for setup and control
- CoCon Discussion & Voting
- CoCon Signage & Authentication (optional)





Confidea® G3

Discussion, Voting & Interpretation

Available models

Confidea® G3

Delegate unit

Confidea DD G3

Clearly positioned mic ON/OFF button



Discussion

Chairman unit

Confidea CD G3

With priority and next-in-line button



Confidea® G3

Delegate unit

Confidea DV G3

Integrated RFID Card Reader
OLED Vote result screen



Discussion & Voting

Chairman unit

Confidea CV G3

With priority and next-in-line button
OLED Vote result screen
Voting start / stop control
System volume control



Confidea® G3 Discussion & Voting

- Design update
- RFID Card Reader
 - Identification
 - Authentication
 - Assigning voting rights
- Compatible with existing cards (e.g. for building access control)








Discussion & Voting & Interpretation


- Plixus compatible through **Lingua ID**
- Channel selector or Dual channel selector
- Up to **4 languages**





Confidea® G3 Web Control








**Bertrand Deplaecie**
Republican





**Norm Anderson**
Democratic





**Luc Sanders**
Republican





**Sam Bailey**
Democratic





**Norm Anderson**
Democratic





Democratic


Republican


Independent


**Bertrand Deplaecie**
Republican





**Luc Sanders**
Republican



**Dan Twiford**
Independent





**Tracy Hofman**
Independent



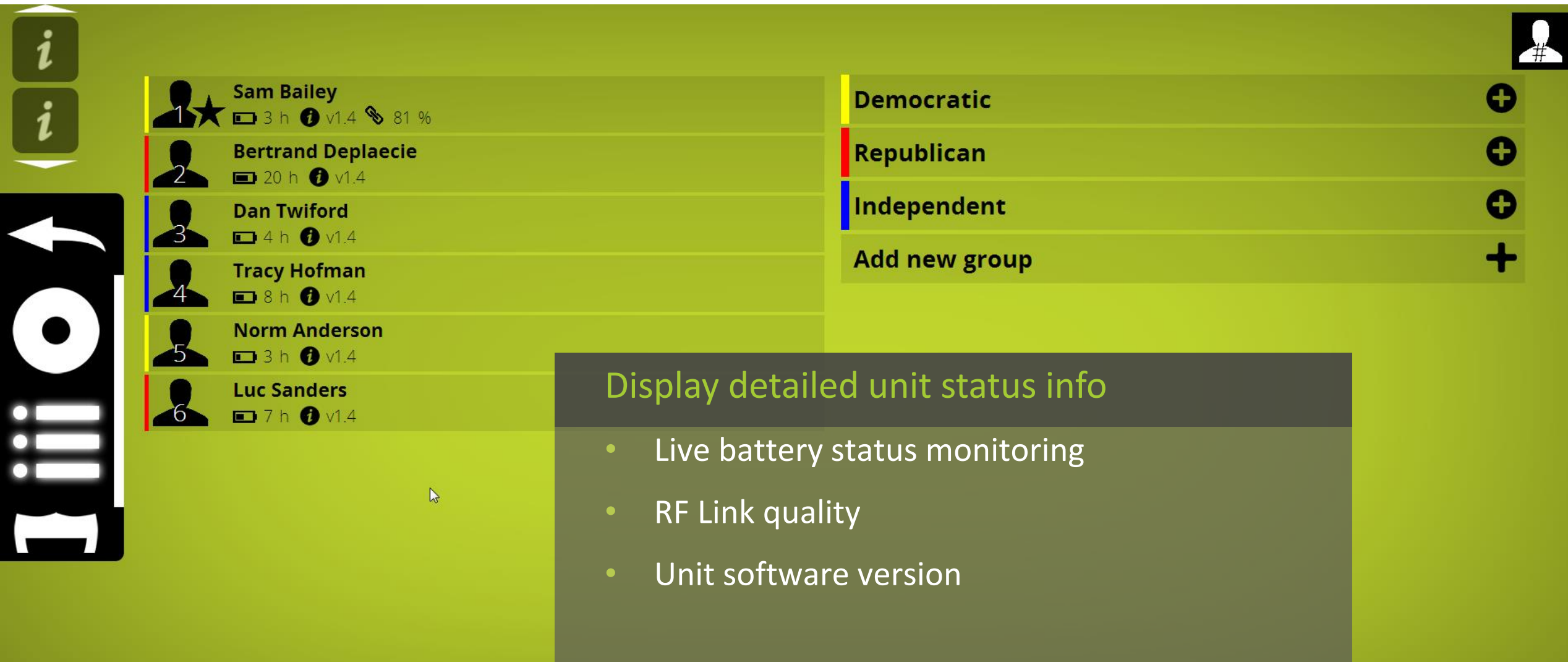
Operator function

- Speaker list
- Request view
- Delegate overview
- Named list
- Minimized view possible

 1

 2 / 6

Confidea® G3 Web Control



The interface features a green background with a sidebar on the left containing navigation icons: two 'i' icons, a back arrow, a home circle, and a list icon. The main area is divided into two panels. The left panel lists six units, each with a numbered icon, name, battery status, software version, and link quality. The right panel shows a group selection menu with three categories: Democratic (yellow), Republican (red), and Independent (blue), each with a plus icon, and an 'Add new group' option with a plus icon. A tooltip box in the lower right corner provides details on how to display unit status information.

Unit	Name	Battery	Software	Link Quality
1	Sam Bailey	3 h	v1.4	81 %
2	Bertrand Deplaecie	20 h	v1.4	
3	Dan Twiford	4 h	v1.4	
4	Tracy Hofman	8 h	v1.4	
5	Norm Anderson	3 h	v1.4	
6	Luc Sanders	7 h	v1.4	

Group Selection:

- Democratic (+)
- Republican (+)
- Independent (+)
- Add new group (+)

Display detailed unit status info

- Live battery status monitoring
- RF Link quality
- Unit software version

The background of the slide is a close-up photograph of a Televic conference phone. The phone is a dark, curved device with a large, circular speaker grille on top. The brand name 'televic' is printed in a light color on the right side of the device. Below the grille, there are several control buttons, including a volume knob with '-' and '+' symbols, and a central button with a 'TV' icon. The entire image is overlaid with a semi-transparent green filter.

Televic Conference

References



International Maritime organization

Plixus project with 1000 units



UNO General Assembly

Geneva, SWITZERLAND
2016



UNO Emirates Room

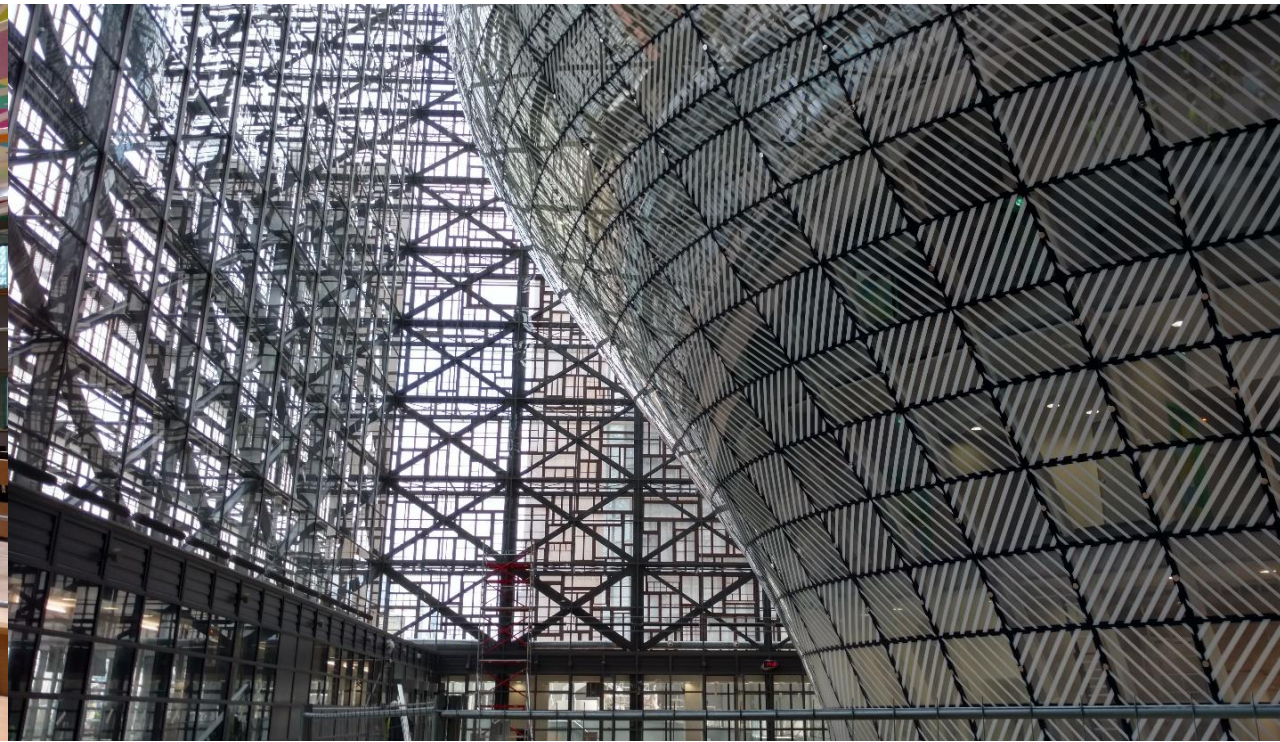
Geneva, SWITZERLAND
2016





European Council of ministers

Brussels Belgium
2017



televic

conference

6 SIMULTANEOUS
VIDEO STREAMS
OVER PLIXUS
NETWORK

FULL PORTFOLIO

MASSIVE WORLDWIDE
REFERENCES

FROM SMALL CITY HALLS TO
LARGE INSTITUTIONS

BROADCAST LEVEL
SOUND QUALITY

FLEXIBLE FOR
CUSTOMISATION

CONTINUOUS
INNOVATION