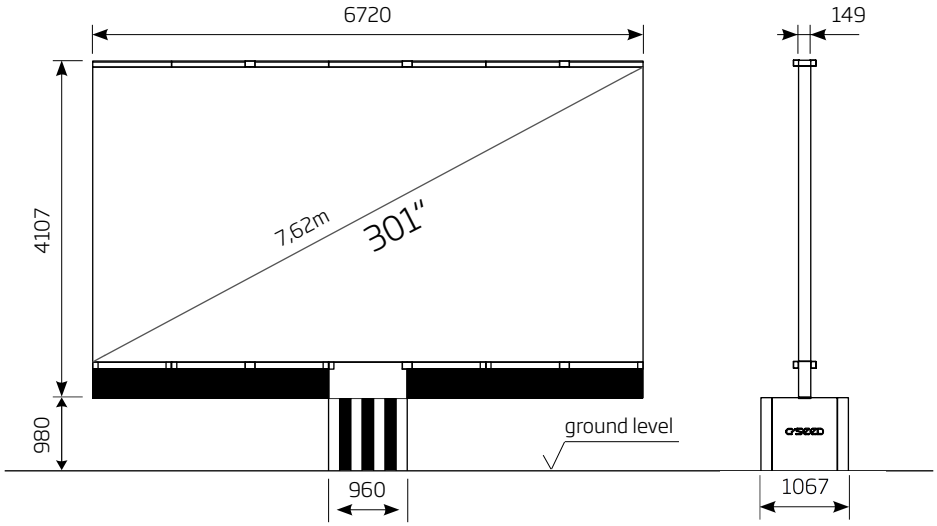
IMPLEMENTATION CONCEPT

C SEED 301 HLR

C/SEED

THE UNFOLDING TV



PHYSICAL DIMENSIONS TV		
LED TV Size (diagonal)	inch/mm	301 / 7,645
LED TV Size (Width)	inch/mm	264.6 / 6,720
LED TV Size (Height)	inch/mm	141.7 / 3,600
Standard LED Screen (Depth)	inch/mm	5.9 / 149
LED TV Area	sq.ft./m²	260.38 / 24.19
LED TV system weight	kg	4,300

TV SYSTEM		
Brightness	nits	4,000
Pixel Pitch	mm	1.90
Processing Depth	bit	16 per color
Color Spectrum	Colors	64 billion
Refresh Rate	Hz	3,840
Lifespan LED	h	100,000
Contrast Ratio		7,000:1
Color Temperature	K	6,500-10,000
Viewing Angle- Horizontal | Vertical	degrees	160 | 160
Operating Temperature Range		°C: -20 to +45 | °F: -4 to +113
Broadband speaker peak out	W	6 x 250
Broadband speaker frequency range		40 Hz - 22 kHz
Subwoofer peak out	W	1 x 1,200
Subwoofer frequency range		20 Hz - 200 Hz

INPUT | OUTPUT	
Video Input	HDMI2.0/DP1.4
Serial In/Output	2 x USB
Audio Output	pre-amp, 9.2, independent sub
Network Connection	1 x RJ45

OPERATION		
Power Supply LED Screen		3 x 400V+N+PE/63A/50-60Hz AC (3~)
Input Power max | typical	W/m²	880 | 230
Power Consumption max | typical	kW	47 | 14

SPECIFIC FEATURES

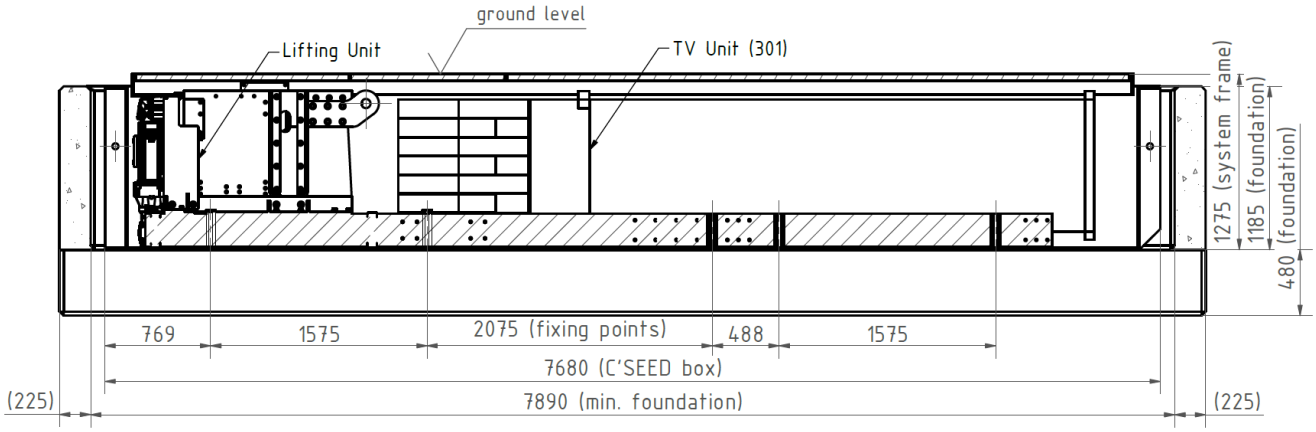
Automatic TV Cover	9.2 AV-Receiver	Remote Control	4K LED HDR10+ Controller

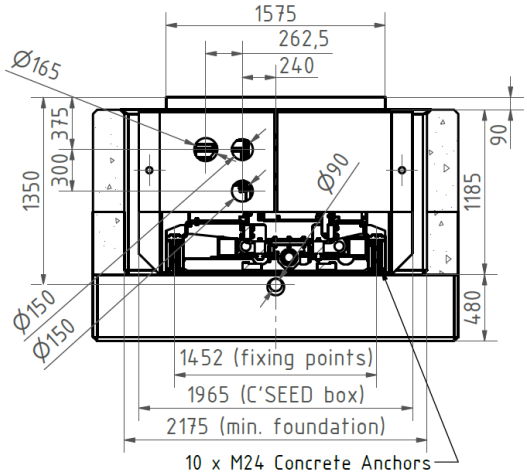
TV Rotation Angle: 90° left & 180° right or 180° left & 90° right

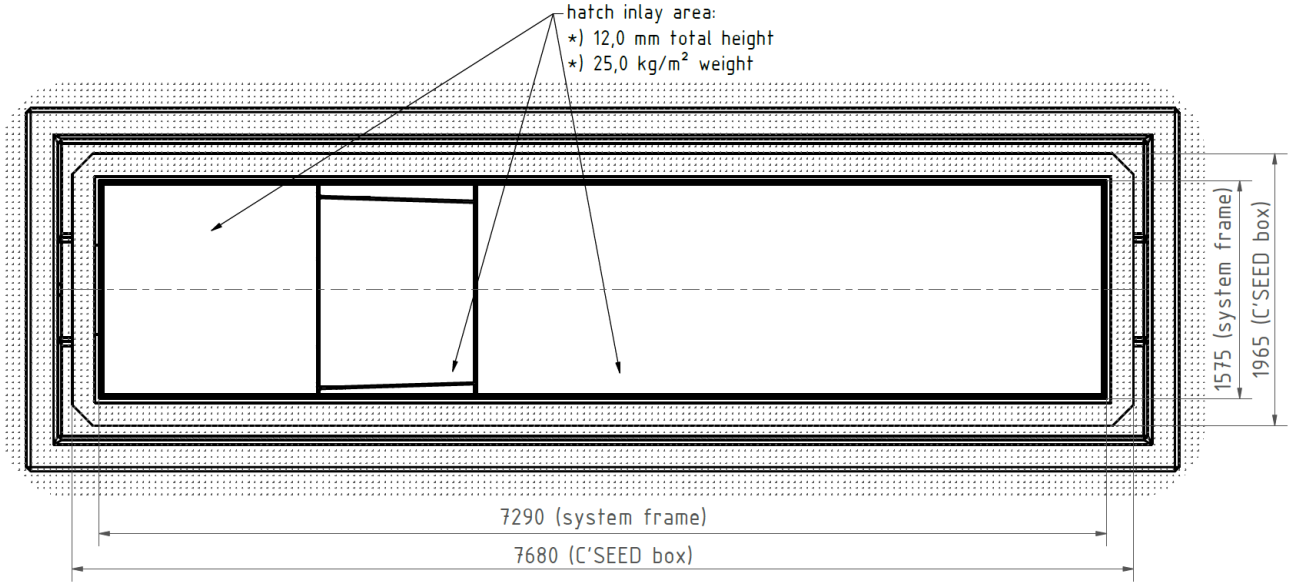
Available in Black Matt Metallic or Greyaluminium Metallic or other colors on request

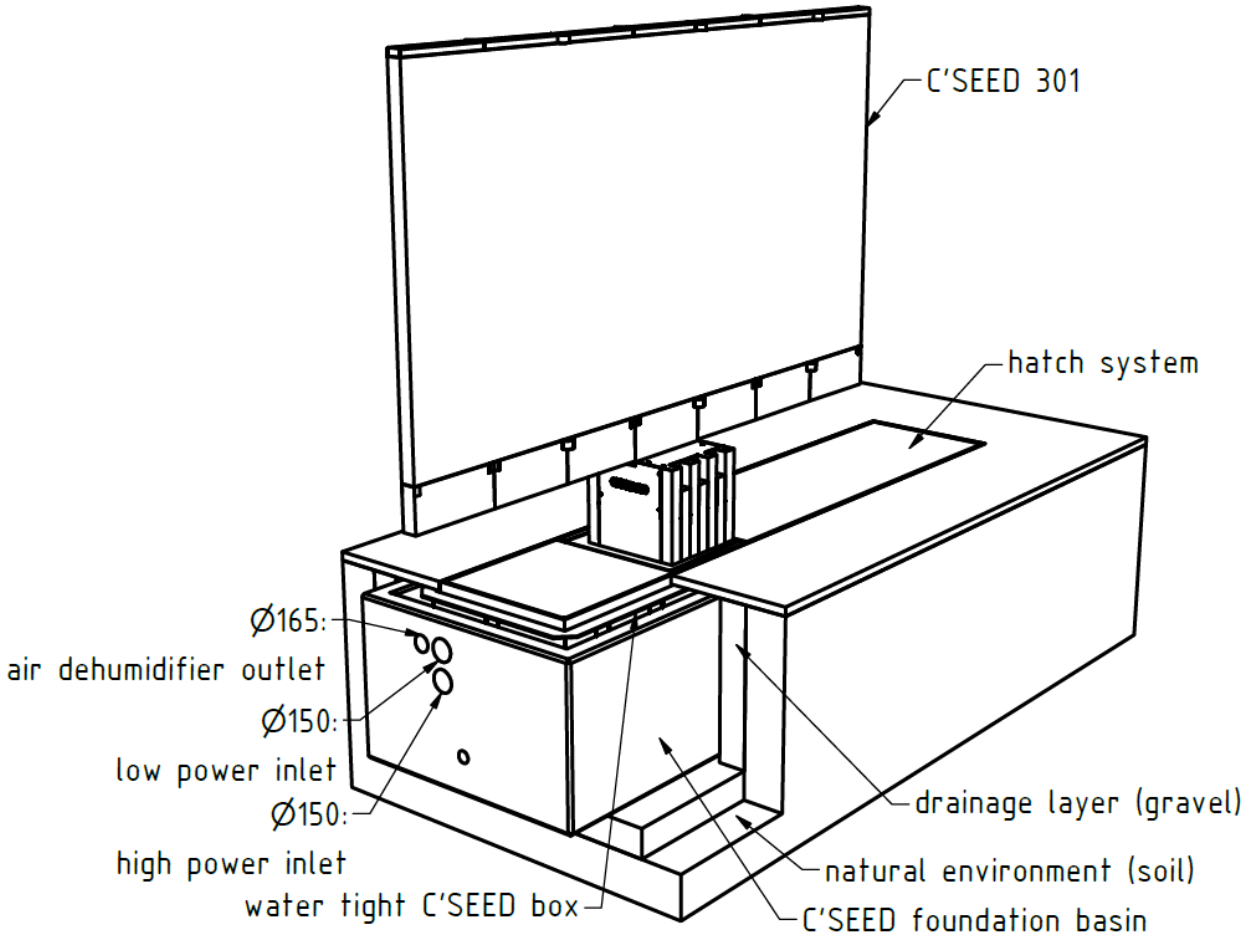

Rotation: 90° left & 180° right or 180° left & 90° right
Optimum 6 - 30 m
20 - 99 feet

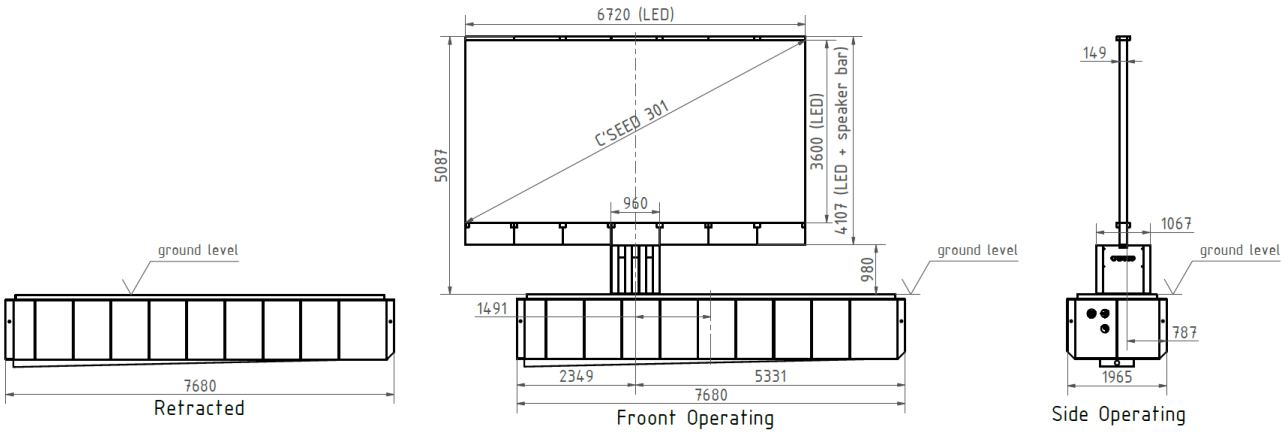
TECHNICAL IMPLEMENTATION








C'SEED 301
hatch system
Ø165:
air dehumidifier outlet
Ø150:
low power inlet
Ø150:
high power inlet
water tight C'SEED box
drainage layer (gravel)
natural environment (soil)
C'SEED foundation basin


ground level
7680
Retracted
6720 (LED)
5087
C'SEED 301
3600 (LED)
4107 (LED + speaker bar)
960
980
ground level
1491
2349
5331
7680
Froont Operating
149
1067
ground level
787
1965
Side Operating

TV CONCRETE FOUNDATION

- 7890x2175x480 mm I 311x86x19 inches I LxWxD
  - according to final TV concrete basin plan
- Earthing of the TV well (min. 3 times)
- Drainage - Natural drainage directly from the sump pit

EQUIPMENT CLOSE TO THE TV

- Emergency Stop Button
- Confirmation Panel
- HMI Touch panel for wired system control
- Weather Station Location near the TV
- Dehumidifier device (provided by owner of the venue)

TECHNICAL ROOM

max. 100m I 320 feet to TV system

- Requested Output: 3x400V+N+PE I 63A I 50-60Hz AC (3~)

Transformer I Power Converter (if requested output not as above, provided by owner of the venue)

- Requested Output: 3x400V+N+PE I 63A I 50-60Hz AC (3~)

UPS I uninterrupted power supply

- 3x400V+N+PE
- 320x700x840 mm I 12.6x27.6x33.1 inches I WxHxD
- Ventilation on backside (300 mm I 12 inches free space must be reserved)
- High power transformer needed (provided by owner of the venue)

Control Cabinet

- 800x1100x300 mm I 32x44x12 inches I WxHxD
- Feed cable with 5 pins or 4 pins plus additional earthing
- Connector on left side (200mm I 8 inches free space must be reserved)
- Power protection with a "fault-current circuit breaker AC/DC sensitive and electric frequency converter capable"

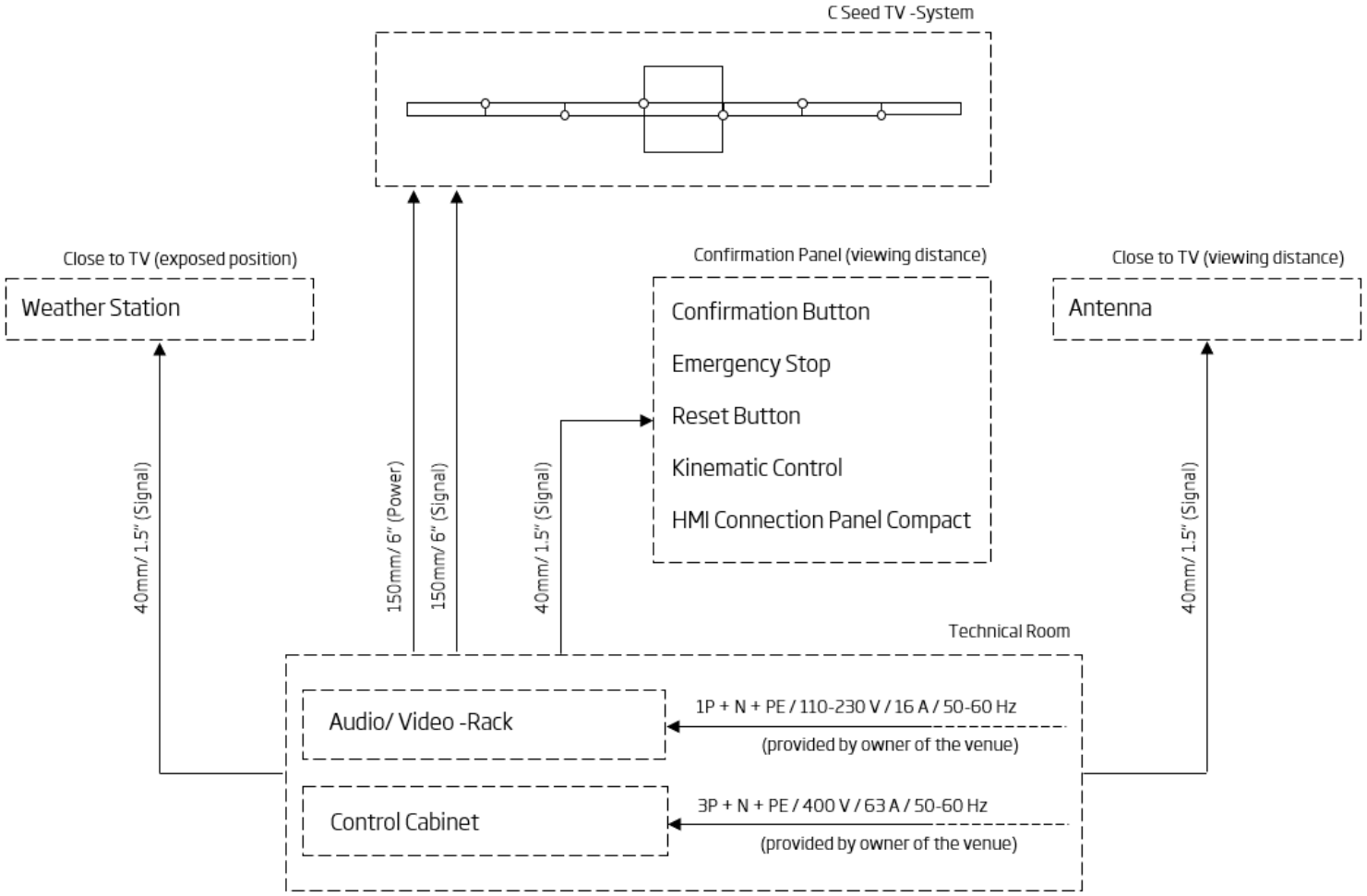
AV-Rack

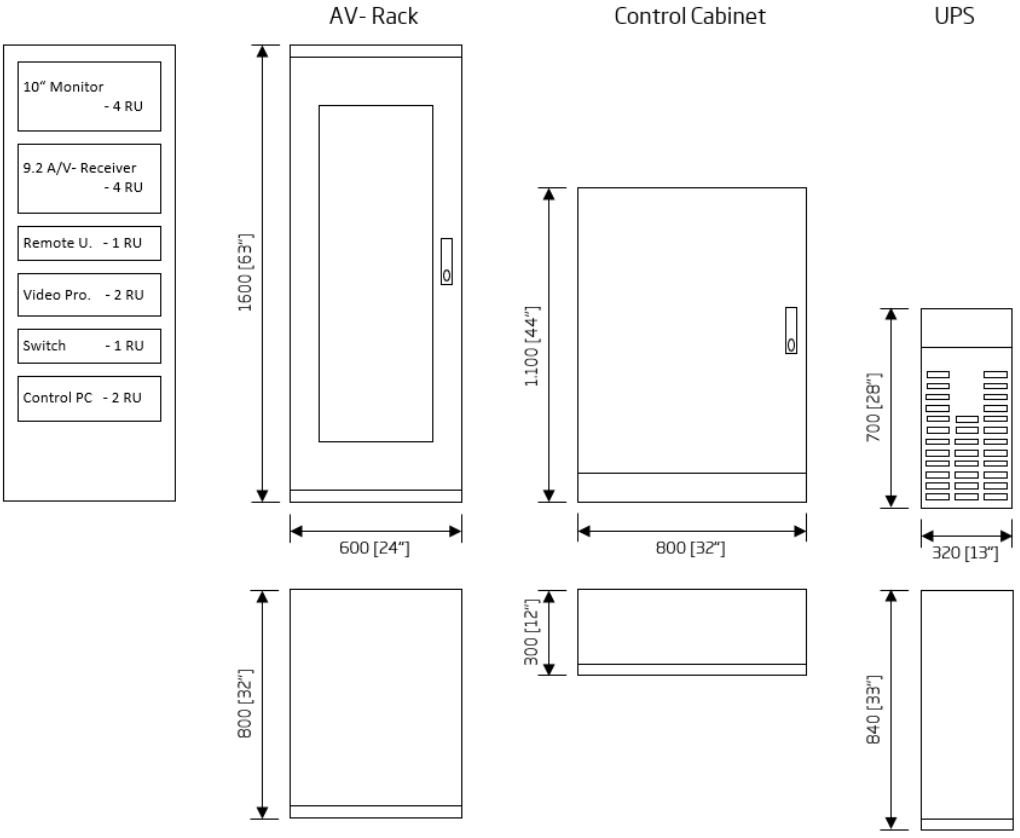
- AV-Rack with 32RU - 600x1600x800 mm I 23.7x63x31.5 inches I WxHxD
- SAT I Video I TV signals to be connected via HDMI inputs
- Internet connection as of beginning of installation (permanent!)

CABLING DUCTS AND CONDUITS

- 1 tube with diameter 150 mm I 6 inches (not less)
  - Located between electricity cabinet and TV-System (high power connection)
- 1 Tube with diameter 150 mm I 6 inches (not less)
  - Located between AV rack and TV-System (data cables from MMS)
- 1 Tube with diameter 40mm I 1 ½ inches (not less)
  - Located between weather station and control cabinet (weather station data)
- 1 Tube with diameter 40 mm I 1½ inches (not less)
  - Located between Control Cabinet and Confirmation Panel
- 1 Tube with diameter 40 mm I 1½ inches (not less)
  - Located between Control Cabinet and Antenna
- 1 Tube with diameter 40 mm I 1½ inches (not less)
  - Only if Control Cabinet and AV-Rack are not in same room

ELECTRICAL OVERVIEW





SERVICES PROVIDED BY AND AT THE EXPENSES OF THE OWNER OF THE VENUE

- Power Supply: 3x400V+N+PE I 63A I 50-60Hz AC (3~)
- Internet connection at the AV - Rack as of beginning of the installation
- WIFI I WLAN at the venue as of beginning of the installation
- Access for heavy duty excavator, crane and trucks to TV well
- Excavation for the construction of the TV concrete basin according to ground-structure
- Cabling ducts & conduits for TV system according C SEED electrical conduits plan (project specific)
- Cables and cable installation according to C SEED electrical cable plan (project specific)
- Sump pump, conduits & cabling for it and connections to power supply and drainage
- Sat I video I TV signals at the AV-Rack
- Crane on site approximately 10 hours in total (min. 6 tons & 7 meters of height)
- Connecting Power Supply by local electrician
- Electrical test protocol according to international standards of all cables must be provided to C SEED prior installation

SERVICES PROVIDED BY C SEED

- Site visit - meeting with construction company, civil engineer etc.
- Standard plan for construction of the TV well for local civil engineer
- Project related engineering package
- Coordination with local electrician
- Coordination with local sat I video I TV professional
- Implementation, programming & testing of the C SEED TV
- TCP/IP control protocol for home automation
- Operation training for technical staff of the venue
- Handover & Acceptance Protocol

Contacts

Owner representative _____

Construction company of the venue _____

C SEED Project manager _____

Vers.: 2.2/HP/25.07.23