

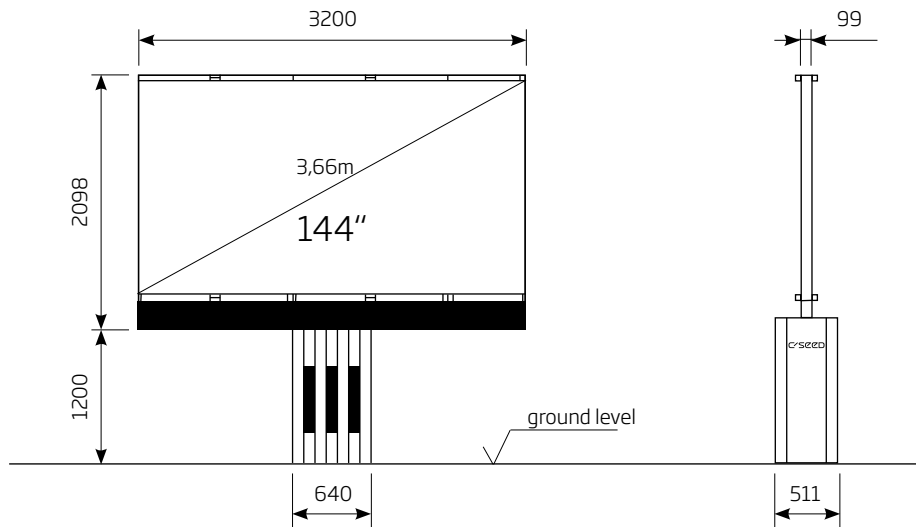


# IMPLEMENTATION CONCEPT

C SEED 144

C/SEED

THE UNFOLDING TV



**PHYSICAL DIMENSIONS TV**

LED TV Size (diagonal)	inch/mm	144 / 3658
LED TV Size (width)	inch/mm	126 / 3200
LED TV Size (height)	inch/mm	69 / 1760
Standard LED screen (depth)	inch/mm	3.9 / 99
LED TV Area	sq.ft./m <sup>2</sup>	60.3 / 5.6
LED TV weight	kg	750

**TV SYSTEM**

Brightness	nits	4,000
Pixel Pitch	mm	1.60
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
Colour 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	2 x 250
Broadband speaker frequency range		40 Hz - 22 kHz
Subwoofer peak out	W	1 x 700
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**

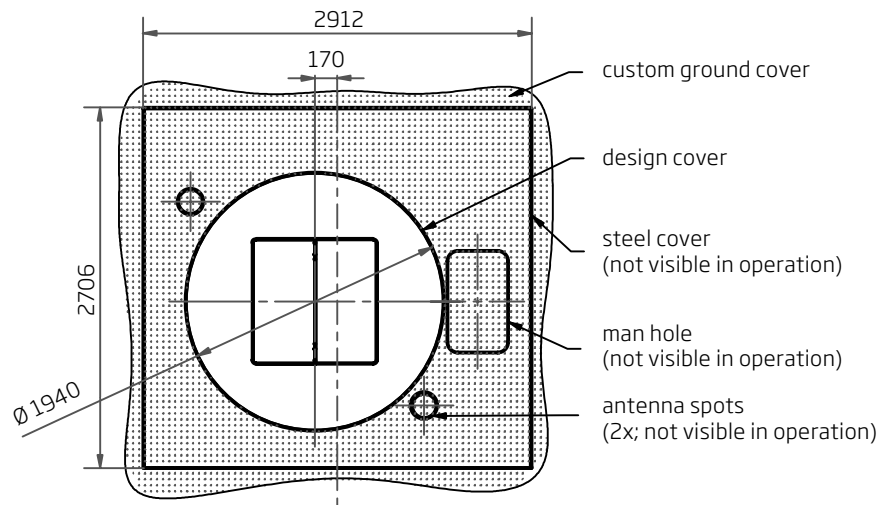
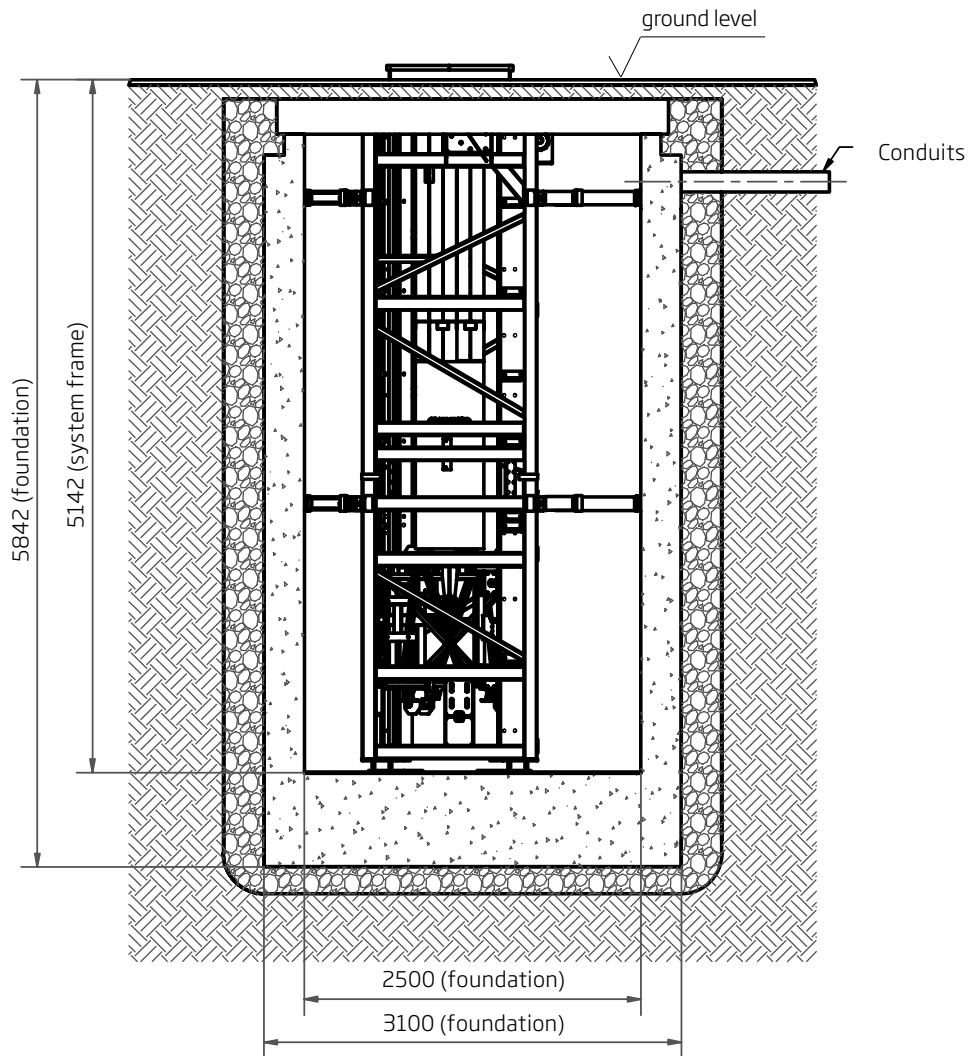
Power Supply LED Screen	Standard	3 x 400V+N+PE/32A/50-60Hz
	High-Leg-Delta	3 x 240V+PE/60A/50-60Hz*
	Single-Phase/Split-Phase	240V/120V+PE/110A/50-60Hz**
Input Power max   typical	W/m <sup>2</sup>	880   230
Power Consumption max   typical	kW	19   5.7

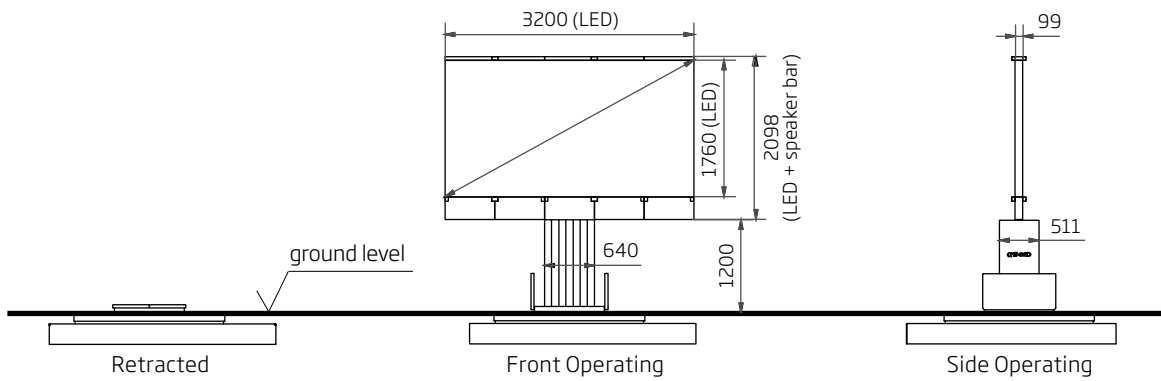
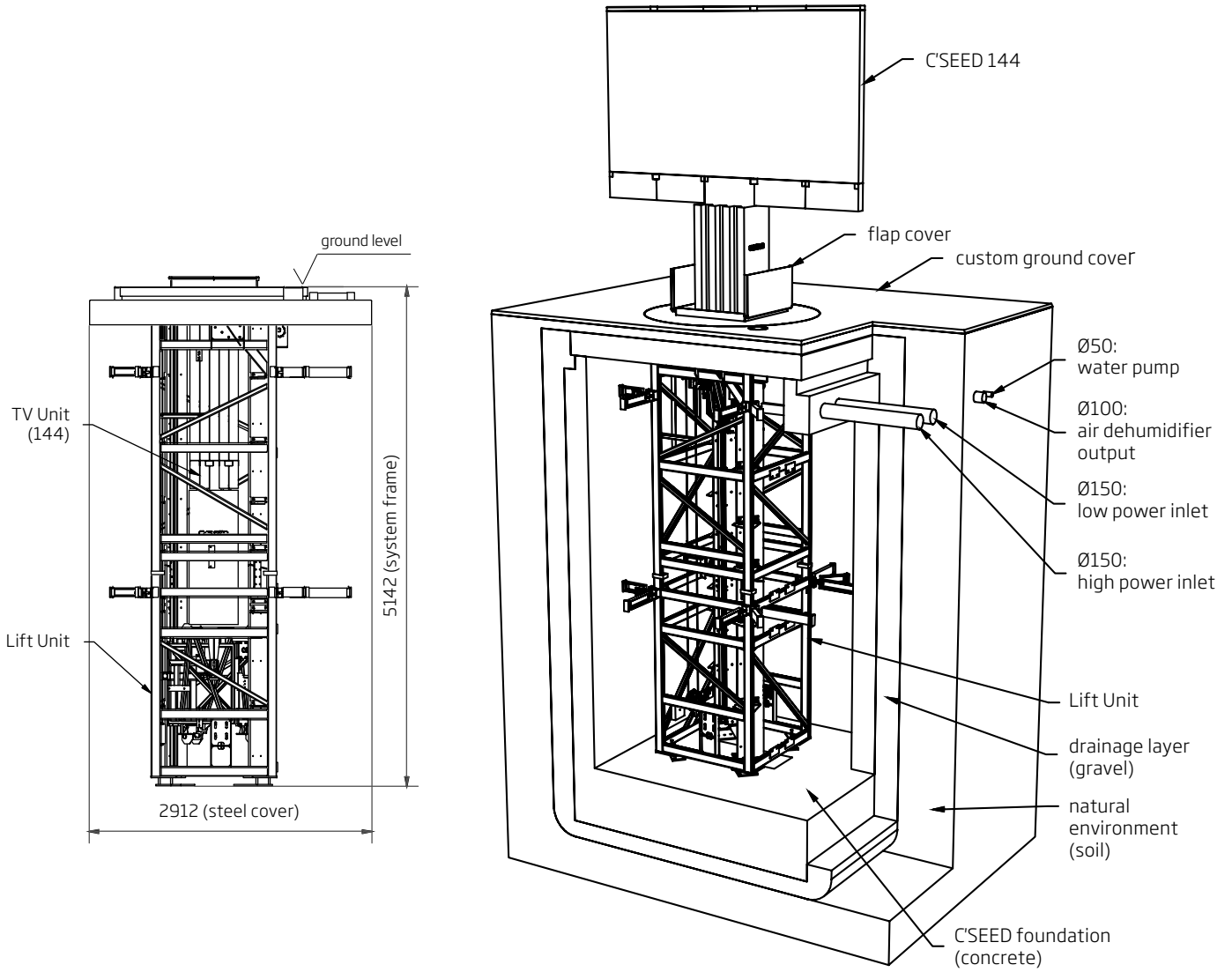
**SPECIFIC FEATURES**

Automatic TV Cover | 9.2 AV-Receiver | Remote Control | 4K LED HDR10+ Controller TV-Rotation Angle: 135° left & 135° right | TV System Height Adjustable within 650mm | Available in Black Matt Metallic or Greyaluminium Metallic or other colors on request

\* transformer required | \*\* phase converter and transformer required







### TV SHAFT

---

- ca. 2500x2500x5142 mm | 99x99x203 inches | LxWxD
  - according to final TV shaft 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 | 320 feet to TV system

**\*/\*\*Transformer | \*\*Phase Converter** (provided by owner of the venue)

---

- Requested Output: 3x400V+N+PE | 32A | 50-60Hz AC (3~)
- **\*/\*\*Transformer:** TEMCo Euro-Plus Transformer TT1003 - 15 kVA  
<https://temcoindustrial.com/temco-euro-plus-trade-transformer-tt1003-15-kva/>
- **\*\*Phase Converter:** 10HP 240V Digital Phase Converter - Phase Perfect® <https://www.phaseperfect.com/original/240-volt/pt010/>

**UPS | uninterruptible power supply**

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

**Control Cabinet**

---

- 800x1100x300 mm | 32x44x12 inches | WxHxD
- Feed cable with 5 pins or 4 pins plus additional earthing
- Connector on left side (200mm | 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**

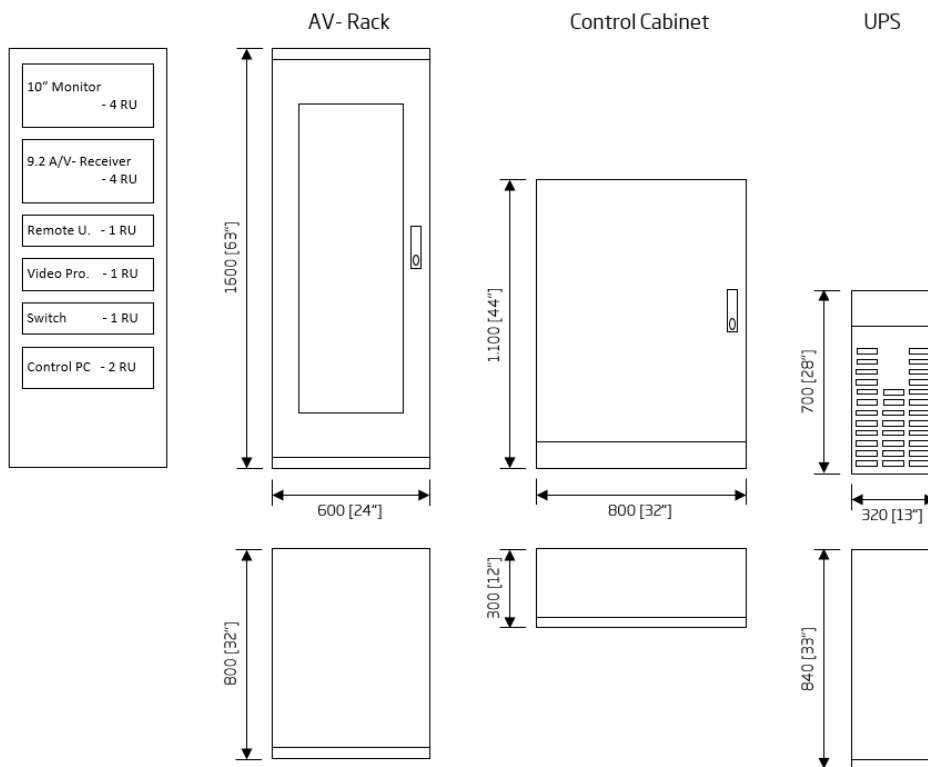
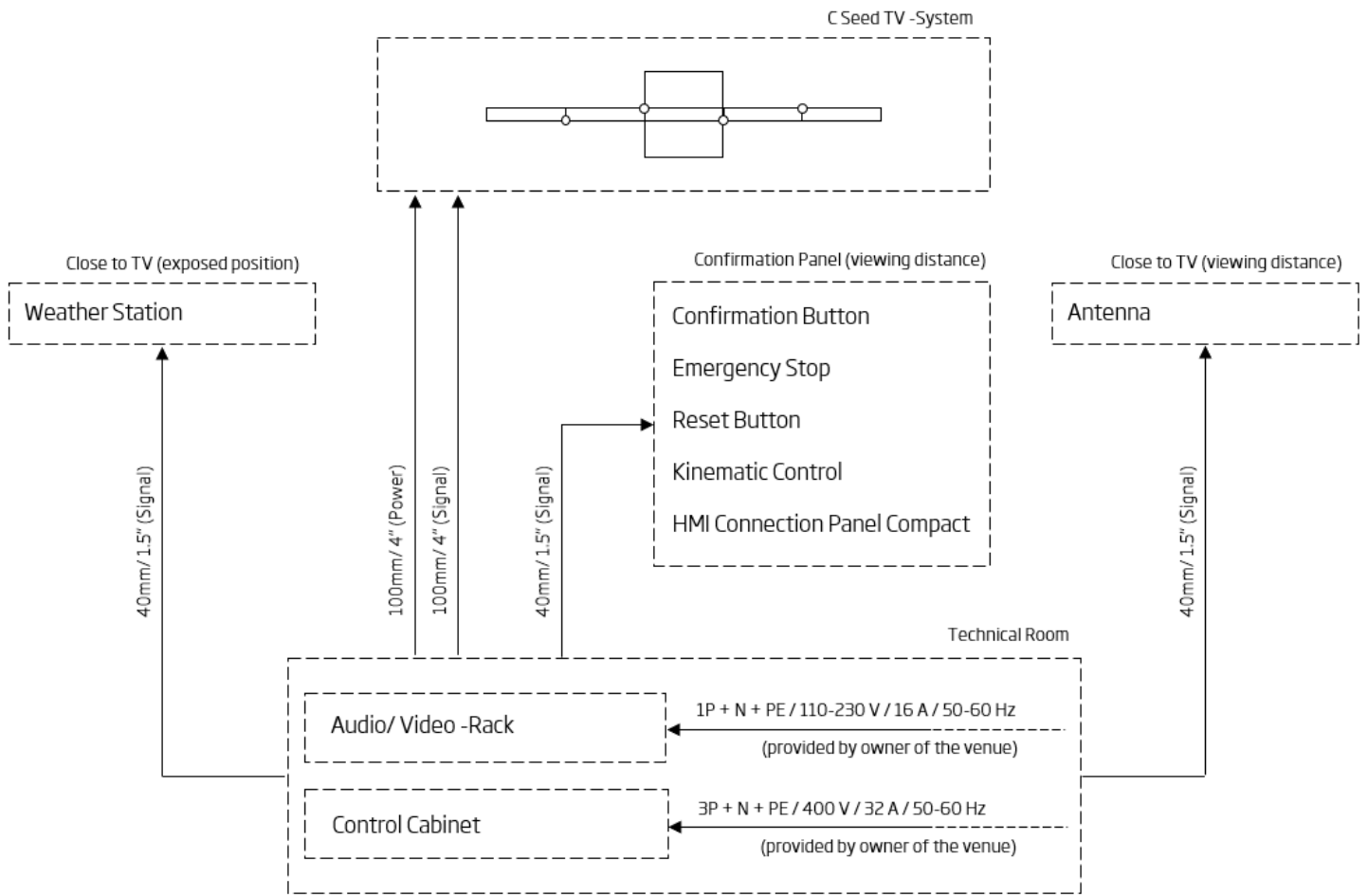
---

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

### CABLING DUCTS AND CONDUITS

---

- 2 tubes with diameter 150 mm | 6 inches (not less)
  - Located between electricity cabinet and TV-System (low & high power connection)
- 1 Tube with diameter 100 mm | 6 inches (not less)
  - Located between AV rack and TV-System (data cables from MMS)
- 1 Tube with diameter 40mm | 1 ½ inches (not less)
  - Located between weather station and control cabinet (weather station data)
- 1 Tube with diameter 40 mm | 1½ inches (not less)
  - Located between Control Cabinet and Confirmation Panel
- 1 Tube with diameter 40 mm | 1½ inches (not less)
  - Located between Control Cabinet and Antenna
- 1 Tube with diameter 40 mm | 1½ inches (not less)
  - Only if Control Cabinet and AV-Rack are not in same room



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

- Power Supply:                      Standard      3 x 400V+N+PE/32A/50-60Hz  
   High-Leg-Delta      3 x 240V+PE/60A/50-60Hz\*
- Single-Phase/Split-Phase      240V/120V+PE/110A/50-60Hz\*\*
- Internet connection at the AV - Rack as of beginning of the installation
- WIFI | 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
- Waterproof construction of the TV shaft according to C SEED plans
- 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)
- Dehumidifier device, sump pump, conduits & cabling for it and connections to power supply and drainage
- Sat | video | TV signals at the AV-Rack
- Crane on site approximately 20 hours in total (min. 4.5 tons & 10 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

\* transformer required | \*\* phase converter and transformer required

**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 | video | 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.: 5.2/HP/25.07.23

“The information and specification contained in the implementation concept are information purpose only and are subject to change without prior notice”