# TECHNICAL TEAM

## TECHNICAL DIRECTION

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**SCENERY ACCESS**

To enter the loading bay, call General Services on +41 22 708 49 11 or your contact at the Comédie so that the bollards can be lowered.

Please let us know the date and time of the lorry’s arrival beforehand.

The bay can only be accessed by reversing in.

**BAY**

Dimensions:
- Bay: L 4m x H 1m
- Lorry access door: L 4.10m x H 4.25m
- Door to access corridor: L 4m x H 3.30m

**CORRIDOR**

Dimensions: L 5m x H 3.70m
- Maximum load: 750kg/m2

**AUDITORIUM DOORS**

Dimensions: L 4m x H 3.30m
- Maximum load: 750kg/m2
- Scenery access is on the same level as the stage
ABOUT THE AUDITORIUM

CAPACITY AND SEATING
Single-storey auditorium with variable capacity of up to 198 seats. Seating stands can be entirely disassembled.

Possible configurations as follows:
• Frontal: 198 seats
• Traverse: stage right-left or upstage-downstage
• Promenade: up to 499 standing places.

CONTROL BOOTH
Sound, light, and video technicians’ positions are mobile and can be adapted to the needs of the set.

STAGE
With bleachers setup in 198 configuration, the stage area is as follows:
Width: 17m
Depth: 12m
Floor surface area: 204 m²
Maximum load: 750 kg/m²

Without seating stands:
Width: 17m
Depth: 26m
Floor surface area: 442 m²
Height to ceiling: 10m
Public walkway at 4.40m
Technicians’ walkway at 8.80m
Both walkways go all the way around the auditorium.
Les deux passerelles font le tour complet de la salle.
ABOUT THE AUDITORIUM

FLYING

28 350kg motorised battens distributed throughout the space 60cm apart
Variable speed: max 1.2m/s
Length : 12.30m
Height : 10m10

4 additional 350kg SQUALIFT battens of variable speed (max 0.6m/s) are installed under the two technical walkways above the stage area, when in proscenium setting.
Length : 12.30m
Height : 8.10m

Option to add another 4 150kg hoists
Variable speed : max 1.2m/s
Max height : 9.95m

DESSOUS

The trap room does not cover the whole stage.
Height to stage: 3.30m

Central part of stage can be converted into trapdoor:
width 11.60m / depth 21.40m / height 3.30m / up to -1m.

Height adjustable in 5cm increments.
Size of trapdoors: 1.20m x 1.20m
Stage cuts run downstage upstage towards the audience.

IMPORTANT TECHNICAL INFORMATION

In order to comply with the Genevan authorities’ safety standards, complete blackout is not permitted on stage and in the auditorium. Emergency exit lighting cannot be masked.

Scenery on stage must be made out of relatively inflammable material (5.1 on the flammability scale).
Solid wood furniture and constructions are permitted.

All scenery and fabric made outside of Switzerland must be fireproofed in line with European standards.

If any pyrotechnics are to be used, a request must be filed with the competent department no less than 30 days before the performances. None of our technicians are trained in pyrotechnics.
ELECTRICAL HOISTS
Depending on your needs, extra motorised battens can be added after our agreement is obtained in order to create more hanging points.

Please be aware that our list of motors is for information purposes only and does not indicate whether they will be available:
8 x GIS chain length: 20m, CMU 250kg
3 x GISS motor control units with extensions: 5m, 20m, 30m

DANCE MARLEY
HARLEQUIN duo / pro BLACK / WHITE
8 x 15m x 2m ( Nbr x L x l )

TRUSS
SIXTY 82 M29 L
10 x 0.5 m
10 x 1m
20x 2m - 44 x 3m

TRACK SYSTEME / TAB-TRACKS
KING : 44ml
TRUMPF : 105ml

The following equipment can be used if available when you arrive. It is shared between the two auditoriums of the Comédie de Genève

SCHLEGEL
Curia 150
100% cotton
580 gr/m2

GERRIETS
Clivia dark black
100% cotton
600 gr/m2

MASKING CURTAINS
6x H 1m x L 4m
6x H 1m x L 6m
3x H 2m x L 12.30m
3x H 2m x L 12.30m

LEG-STYLE DROPS
8x H 8m x L 2.60m
6x H 8m x L 2m

TABS
2x H 9m x L 7.50m

BACKDROP
1x H 9m x L 12.30m

We have a set of pipes to fully equip the entirety of our black boxe

SQUARE TRUSS
SIXTY 82 M29 S
12 x 0.5 m
20 x 1m
62 x 2m
20 x 3m
12 x square heavy base
16 x cube box corner

PIPEG
10 x 0,25m
10 x 0.5 m
20 x 1m
30 x 2m - 30 x 3m

ACCESS EQUIPMENT
2x GENIE AWP30S 10 m
1x GENIE AWP40S 14 m

FLYING SYSTEM
WAAGNER BIRO CAT V5
**LIGHTING**

**DIMMERS**
ADB EURODIM TWIN-TECH: 210x3KW and 30x5KW
Distributed across the stage and the auditorium.

**CONTROL**
ECT EOS GIO with Puck as master

**NETWORK**
SACN network with DMX distribution by Luminex.

**LANTERNS**
In order to save energy, we offer a suite of equipment made up entirely of LED lights. We try to use these light sources as a priority, but if it is impossible to adapt to them, our “conventional” suite of lights remains temporarily available.

**THE FOLLOWING EQUIPMENT CAN BE USED IF AVAILABLE WHEN YOU ARRIVE. IT IS SHARED BETWEEN THE TWO AUDITORIUMS OF THE COMÉDIE DE GENÈVE**

**SOURCES LED**
- 140x ETC SOURCE FOUR LED 2, with:
  - 70x lens tube zoom 15°-30°
  - 54x lens tube zoom 25°-50°
  - 27x fresnel lens mount 15°-50°
  - 10x lens tube 26° EDLT
  - 10x cyclight lens tube
- 10x ARRI FRESNEL L10-C RGBW 15°-50°
- 10x AYRTON GHIBLI 7° - 56°
- 32x JULIAT DALIS 860 LED CYCLIGHT 300W
- 6x ADB ALC-4/2 CYCLIGHT
- 8x CLAYPAKY B-EYE K25 4°-60°
- 6x CLAYPAKY B-EYE K15 4°-60°
- 4x CLAYPAKY K-EYE K20 HCR 7°-53°
- 26x ROBE T1 Profile 7°-49°
- 13x LDDE NANOPIX 1440

**EFFECTS / MACHINES**
- 2x MARTIN ATOMIC 3000 LED strobe machine
- 2x MDG ATMOSPHERE hazer
- 2x LE MAITRE G300 smoke machine
- 1x ANTARI S-500 snow machine

**FLUORESCENT TUBES**
- 29x TUBE 36W JULIAT 744V

**HMI/MSR LAMPS**
- 1x FRESNEL 575W STRAND Sirio with electronic Pani shutter in T13
- 1x FRESNEL 2500W ARRI with Licht-Technik DARK VADER shutter
- 1x JULIAT BISON 2500W FRESNEL with JULIAT shutter
- 2x ARRI D40 4000W FRESNEL with Licht-Technik DARK VADER shutter
- 1x JULIAT 914 S 1200W SPOTLIGHT
- 2x JULIAT 933 SNX 2500W SPOTLIGHT
- 2x JULIAT 934 SNX 2500W SPOTLIGHT
- 1x MSR JULIAT VICTOR 1800W FOLLOWSPOT
- 3x VARILITE 575W VL1000 ERS AS

**HALOGEN LAMP**
- 80x PAR 64
- 6x FRESNEL 5KW
- Various PC 1KW and PC 2KW
- Various 1KW and 2KW profiler
- ACP1000 ADB CYCLIGHTS
**SOUND**

**SYSTEM**
L.ACOUSTICS adjustable system
L-Acoustics L-ISA PROCESSOR II CE Processeur multicanal L-ISA MkII 32 sortie

Main PA:
- 5x X12 (Coaxiale 90°x 60° / 59Hz – 20 kHz / 2-way passive: 12” LF + 3”diaph. HF)

Surround:
- 6x X8 (Coaxiale 100° / 60Hz – 20 kHz / 2-way passive: 8” LF + 1.5”diaph. HF)

Extensions:
- 2x X8 (Coaxiale 100° / 60Hz – 20 kHz / 2-way passive: 8” LF + 1.5”diaph. HF)

Zenithal:
- 2x X8 (Coaxiale 100° / 60Hz – 20 kHz / 2-way passive: 8” LF + 1.5”diaph. HF)

Front Fill:
- 8x 5XT (Coaxiale 100° / 95Hz – 20 kHz / 2-way passive: 5” LF + 1”diaph. HF)
  Amplification (Main PA): L-Acoustics
- 5x LA4X V2 4x1000W 8Ohms
- 2x L-Acoustics LA2Xi CE Dedicated installation amplified controller 4x640 W / 4Ohms

**REGIE**
- 1x YAMAHA QL1
- 1x RIO 3224 D2
- 2x RIO 1608 D2

System Dante Primary + Secondary full redundancy

Note: Zactrack tracking system available on request in advance!

**MICROPHONES**
HF Main:
- HF Sennheiser Ew500 G4 + e965 (G Frequency Band)

Beltpack:
- HF Sennheiser Ew500 G4 + SK500 G4 (G Frequency Band)
- DPA 4061, beige & black

Range of dynamic and static microphones (please contact us).

**INTERCOM**
Wireless: Riedel Bolero System

**MONITEURS**
- 4x L-Acoustics X4i (Coaxiale 110° / 65Hz – 20 kHz / passive 2 voies: 4” LF + 1.4”diaph. HF)
- 6x L-Acoustics X12 (Coaxiale 90°x 60° / 59Hz – 20 kHz / passive 2 voies: 12” LF + 3”diaph. HF)
- 2x L-Acoustics 12XT (Coaxiale 90° / 55Hz – 22 kHz / passive 2 voies: 12” LF + 3”diaph. HF)
- 2x L-Acoustics X8 (Coaxiale 100° / 60Hz – 20 kHz / passive 2 voies: 8” LF + 1.5”diaph. HF)
- 2x L-Acoustics 5XT (Coaxiale 100° / 95Hz – 20 kHz / passive 2 voies: 5” LF + 1”diaph. HF)

Amplification (Monitoring):
- 4x L-Acoustics LA4 X V2 4x1000W 8Ohms

**WIRELESS FREQUENCY PLAN**

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**NETWORK AND IT**

- R3G-SDI network
- 3G-SDI matrixing BlackMagic Universal
- VideoHub Mixer Live Atem Television
- Studio Pro HD
- Windows 10 PC available
  - Intel Xeon W2125 4.00GHz
  - 64Gb 1333MHz
  - 2 x Nvidia Quatro P4000
  - Moniteur 32” 4K

**BUILT IN EQUIPMENT**

- Panasonic PT-RZ12K (12 000 lum) front-facing projector and suite of lenses and sound proof casing.
- Recording of a set security plan and for the archives of each performance: Sony PXW-Z150 front-facing camera in the center of the control booth.
- A FullHD recorder can be provided on demand.
- Stage relay monitors:
  - Mobile monitor for the stage manager
  - Relay to the performers’ waiting area next to the auditorium and the changing rooms

**EXTRA EQUIPMENT**

The following equipment is provided if available upon your arrival.

- Suite of Panasonic Laser video projectors with the following lenses:
  - PT-RCQ10 (10000lum)
  - PT-RZ660BA (6000lum)
  - PT-RZ570B (5000lum)
  - PT-RZ570E (5000lum)
- Front-facing projection screens:
  - Stumpfl 400 x 300
  - Stumpfl 750 x 431
- Live Atem TV Studio HD Mixers
- Variety of converters: BlackMagic – DataVideo – Aja
- System for Windows PC
- Software: Madmapper, Isadora, Qlab, Suite Adobe
- Cameras:
  - Sony PXW-Z190
- Tripod and gimbal
- Various monitors
Our stage network is based on the Luminex network and managed with the Araneo software.

**LIGHTING**
- Luminex DMX nodes
- SACN network management by Luminode Monitor software

**SOUND**
- Cisco switches for the Dante network
- Dante network management by Dante Domain Manager.

**Static guest IPs:**
- Flexible Auditorium
  - 10.102.100.0-254 /16

Access to machines is available on these networks via protected wifi:
- Hidden SSID, IP address white list

Unless there is a good reason to do otherwise, internet access is via the administration ethernet network or the Guest or Pro wifi.
OTHER INFORMATION

TECHNICAL SCHEDULE
Morning: 09h – 13h
Lunch break: 13h – 14h
Afternoon: 14h – 18h
Evening break: 18h – 19h
Evening: 19h – 23h

These hours can be altered as long as a request is made and has been approved by the Technical Director.

Our staff is subject to Swiss labour law.

EQUIPMENT FOR STAFF
All staff taking part in setting up and breaking down must wear safety shoes and gloves.

ARTISTS
Access to dressing rooms on upper floors is via... They can be accessed by stairs and by lift.

There is an adjoining waiting room with toilets and a shower specifically for the room.

DRESSING ROOMS AND EQUIPMENT
Individual dressing rooms floor 4- 8 individual furnished dressing rooms (day bed, mirror, hanging space, shower, sink) 1 dressing room with disabled access.

Shared dressing rooms floor 3 - 4 8-person furnished dressing rooms (armchairs, mirrors, clothes rails, shower, toilet).
Make-up room floor 4- 2 rooms each for 5 people

CATERING AREA
Furnished kitchen (microwave, dishwasher, coffee machine, teapot) 10-person table. Outside balcony space for smokers.