Preface

After a 4 years construction period opens in 1960 after the construction plans of Kunz Nierade and Kurt Hemmerling the new Leipzig Opera House at the location of the in World War II destroyed New Theatre opens with the performance of Richard Wagner's "Die Meistersinger von Nürnberg".

-New Theatre-

By the traditions of classicism theatre architecture coined and under monument protection standing house 1993 became in cause of the 300-year celebration particularly in security and fire protection-technical range reconstructs.

In the process of multiyear building phases from 1999 till 2003 a comprehensive reconstruction of the stage technology, fire protection and in terms of safety on the base of the existing legal defaults accomplished.

-Opera House-

In the year 2007 the spectator house, under consideration of the monument protection, was completely reorganized. New chairs for 1247 spectators were inserted.

Contents

1. Stage technology

1.1. Main- , wing- and back stages

The main stage has a firm portal cut-out of 16,00 m broad and 11.40 m height; the maximum width between the wing stages amounts to 25.00 m the maximum depth from the orchestra edge to the back stage 22.00 m.

The portal bridge for the illuminating engineering is step less from 2,00 m over +/- 0 up to max. 9.80 m work height applicable.

The wing stage left is 11.00 m broad and 19.00 m deeply. A 4-parts car system 0.17 m highly (1.00 m 4.00 m 4.00 m 2.00 m broad) can drive over rails and with battery powered drives separately or together with radio remote control on the main stage and into the side stage right.
Driving speeds of 0,005 - 0.5 m/s possible.

The side stage right is 11.00 m broad and 19.00 m deeply.

The back stage is 22.00 m broad and 12.50 m deeply. It has a rail-bound Stage car 12.00 m broad and 10.00 m deeply, at the front edge with a height of 0,17 m and its rear edge can be adjusted from + 0.50 m (minimum bevel) until + 1.16 m (maximum bevel). On the left and on the right cars 3.50 m each broad can be coupled (+ 0.17 m highly). That drives to the main stage effected with battery-powered drives and radio remote control up to the stage front edge.
Driving speed of 0,005 - 0.5 m/s.

All 3 wing stages has a pass through height of 8,00 m and is through Sound curtains possible to separate them from the main stage. Both side stages, left and right are equipped with 6 chain courses.

The orchestra pit is 22.00 m broad and 6.00 m deeply with ever a side part on the left and on the right. The depth is from +/- 0 to - 2.67 m displaceable, the bolt distances amount to 0.34 m.

The Iron Curtain is located in front of the orchestra pit.

1.2. Under machinery

The control is made by a COSTACOwin stage control from SBS control engineering. Programming by control desks with system Windows NT. Possibility of single, group, and synchronous trips for turntable and stroke podiums.

Drives of the revolving stage and podiums over frequency-steered rope drum hoists of SBS stage technology

The revolving stage into the main stage ground has a Diameter of 17,60m and a rotation speed from 0,05 till up to 1.20 m/s.

Within the revolving stage are 4 trap mechanisms.

Trap I:	**Area**	**12,00 m x 4,00 m**
	Minimum depth	**- 02,00 m**
	Maximum height	**+ 04,00 m**
	Double deck trap	**03,30 m height between floors**

Trap II:	**Area**	**12,00 m x 4,00 m**
	Minimum depth	**- 03,50 m**
	Maximum height	**+ 02,50 m**
	Double deck trap	**2,80 m height between floors**

Trap III:	**Area**	**12,00 m x 2,00 m**
	Minimum depth	**- 03,50 m**
	Maximum height	**+ 02,00 m**
	Double deck trap	**02,80 m height between floors**

Trap IV:	**Area**	**12,00 m x 2,00 m**
	Minimum depth	**- 03,50 m**
	Maximum height	**+ 2,00 m**
	Double deck trap	**02,80 m height between floors**

Speed of the traps max. 0.3 m/s; separately, moving in opposite directions or together. All 4 traps are individual or together to 8% bevel adjustable.

Maximum loads: **500 kg m² (locked)**
250 kg m2 (in motion)
Bolt distances 0.34 m.

1.3. Fly loft machinery

The control takes place over a MANTRONIC stage control of Vossloh MAN system electronics. Programming over control computers with operating system Windows NT. Possibilities of single, group and synchronous trips for all machine bars and point hoists.

Drives of the Machinery works over 6-Rope Drum hoists from SBS Dresden. Speeds from 0,001 m/s till 1,2 m/s are possible.

In front of proscenium 3 Electric bars with separate controls

Centre	**Bar length**	**16,00 m**
	Bar profile	**00,09 m x 0,045 m**
	Max. height	**11,80 m**
	Max. load	**300 kg**
	Point load	**100 kg**

left/ right	**bar length**	**7,00 m with Roundness**
	bar profile	**00,06 m Diameter**
	Max. height	**11,80 m**
	Max. load	**300 kg**
	Point load	**100 kg**

Curtain Zone

Main curtain	**2 parts**	**horizontal opening**
	Speed	**00,01 - 2,00m/s**

M 0	**Machine-Bar**	**bar length**	**19,00 m laterally led**
		bar profile	**00,06 m Diameter double profile**
		Speed	**00,001 - 1,2 m/s**
		Max. height	**26,00 m**
		Max. load	**500 kg**
		Point load	**150 kg**

Sound Curtain		**black colour**
	Speed	**00,001 - 1,2 m/s**

H 0	**Hand-Bar**	**Bar length**	**19,00 m laterally led**
		Bar profile	**00,06 m Diameter single profile**
		Max. height	**26,00 m**
		Max. load	**300 kg**
		Point load	**100 kg**

Main Stage area

H 1, 4, 7, foll.	**Bar length**	**20,00 m (front)/ 18,00 m (back)**
19 Hand bars	**Bar profile**	**00,06 m Diameter single profile**
	Max. height	**25,50 m**
	Max. load	**300 kg**
	Point load t	**100 kg**

M 2, 3, 5, 6, foll./	**Bar length**	**20,00 m (front)/ 18,00 m (back)**
37 Machine bars	**Extension**	**00,60 m both sides possible**
	Bar profile	**00,06 m Diameter double profile**
	Speed	**00,001 - 1,2 m/s**
	Max. height	**25,50 m**
	Max. load	**500 kg**
	Point load	**150 kg**

OL 1 - 6	**Light Bars**	**with Connections and Spots**

PL 81 - 86	**Bar length**	**Inner 10,00 m/ outer 18,00 m**
6 Side bars	**Bar profile I**	**00,06 m Diameter single profile**
	Max. height	**24,00 m**
	Max. load	**500 kg**
	Point load	**150 kg**

RZ 87	**Round horizon**	**combinable with side bars**

PL 1, 2, 3, ff./	**Max. height**	**25,00 m**
24 Point hoists	**Speed**	**00,01 - 1,2 m/s**
	Max. load	**500 kg**

Special Light bars	**Bar length**	**3,50 m**
	Bar profile	**00,06 m Diameter single profile**
	Max. height	**08,30 m**
	Max. load	**120 kg**
	Point load	**60 kg**
		separate controlled at position

Back stage area

HBZ 1 - 8/	**Bar length**	**18,00 m**
8 Machine bars	**Bar profile**	**00,06 m Diameter single profile**
	Speed	**00,05 - 0,2 m/s**
	Max. height	**08,90 m**
	Max. load	**500 kg**
	Point load	**150 kg**
		separate controlled at position

1.4. Base equipment

Curtains

Curtain black (Porza)	1 piece	18,80 m wide x 12,50 m high
Curtain black 2 parts (Porza)	1 piece	18,80 m wide x 12,90 m high
	1 piece	18,80 m wide x 10,00 m high
Curtain red 2 parts (Velvet)	2 pieces	10,50 m wide x 10,00 m high

Black Box (Porza)

Legs (Velvet)	24 piece	03,60 m wide x 17,00 m high
	02 piece	02,40 m wide x 10,50 m high
Borders	01 piece	27,70 m wide x 04,00 m high
	01 piece	23,50 m wide x 09,00 m high
	01 piece	23,00 m wide x 13,00 m high
	02 piece	19,20 m wide x 07,50 m high
	01 piece	19,20 m wide x 04,50 m high
	01 piece	19,20 m wide x 02,00 m high
	01 piece	18,80 m wide x 04,50 m high
Round border (in 4 parts)	01 piece	12,00 m wide x 09,00 m high

Gaze

Gaze black	01 piece	21,00 m wide x 10,30 m high
	01 piece	20,00 m wide x 12,00 m high
	01 piece	19,20 m wide x 13,00 m high
	01 piece	18,80 m wide x 11,30 m high
Gaze grey	01 piece	18,60 m wide x 12,00 m high

Screens (PVC)

Screen white	01 piece	23,00 m wide x 17,50 m high
	01 piece	21,40 m wide x 17,00 m high
	01 piece	21,00 m wide x 11,00 m high
	01 piece	18,90 m wide x 17,50 m high
	01 piece	18,90 m wide x 12,50 m high
	01 piece	16,00 m wide x 12,50 m high
	01 piece	15,00 m wide x 12,00 m high
	02 piece	14,80 m wide x 17,50 m high
	01 piece	05,00 m wide x 11,00 m high
Screen grey	01 piece	42,00 m wide x 17,50 m high
Screen white (Front projection)	01 piece	42,00 m wide x 17,50 m high

Dance Floor „Gerriets Vario“	Wide	1,60 m/ lane
	Lengths	from 8,00 m till 24,00
	Colours	black/ white/ grey
	Direction	crosswise
	Area	complete Stage possible

2.1 Light control

In Light Cabin	**Control Desk**	**ADB Phönix 10 (2048 DMX Circles)**	
	Accident Desk	**ADB Phönix 02 (2048 DMX Circles)**	
Dimmable	**Electric circuits**	**585 (there from 36 transportable)**	
Control over	**Dimmers**	**ADB Eurodimm**	
Transmission	**Signal**	**USITT DMX 512 DATA TRANSMISSION STANDART**	
Direct	**Electric circuits**	**14 CEE 3P/ N/ S**	**63A/ 32A/ 16A/ 380V**
		58 Schuko	**16A/ 230V**
Plugs	**Systems**	**Schuko**	**2,5 KW**
		Eberle	**5,0 KW/ 10,0 KW**

2.2. Light Bars

Curtain Bridge	**11**	**light ramps**	**(white/ 119/ 106/ 101)**
	08	**fluorescent lights**	**(white/ 124/ 183/ 106)**

OL 1	**04**	**Scanner 1,2 KW Martin PAL 1200**
	01	**Mac 2000 Martin 1,2 KW HMI**
	06	**Svoboda ramps**
	02	**Fresnel 5,0 KW**

OL 2	**02**	**Scanner 1,2 KW Martin PAL 1200**
	01	**Mac 2000 Martin 1,2 KW HMI**
	06	**Svoboda ramps**
	02	**Fresnel 5,0 KW**

OL 3	**02**	**Mac 2000 Martin 1,2 KW HMI**
	02	**Stage Color 1,2kW HMI Clay Paky**
	06	**Svoboda ramps**
	02	**Fresnel 5,0 KW**
	01	**fluorescent lamp horizon**
	07	**Horizon floods 1,0 KW (white)**
	07	**Horizon floods 1,0 KW (119)**
	07	**Horizon floods 1,0 KW (106)**
	07	**Horizon floods 1,0 KW (101)**
	02	**DATAFLASH AF 1000**

OL 4	**03**	**Mac 2000 Martin 1,2 KW HMI**
	02	**Stage Colour 1,2kW HMI Clay Paky**
	06	**Svoboda ramps**
	02	**Fresnel 5,0 KW**

OL 5	**02**	**Fresnel 4,0 KW HMI Engine moved**
	04	**Mac 2000 Martin 1,2 KW HMI**
	02	**Fresnel 5,0 KW**
	01	**DATAFLASH AF 1000**

OL 6	**02**	**Fresnel 5,0 KW**

2.3. Spot positions/ fixed

2.3.1 Stage area

Curtain Bridge	**06**	**Fresnel 5,0 KW**	
2 Floors	**22**	**Zoom-Profile spots 2,0 KW**	**18°-27°**
	12	**PC-Spots 2,0 KW**	**15°-40°**
	08	**Parabolic spots 24 V/ 0,2 KW**	
	06	**Parabolic spots 24 V/ 1,0 KW**	
	02	**Projectors HMI 2,5 KW (18 cm x 18 cm)**	
	02	**Zoom- Profile spots 1,2 KW HMI**	**15°-32°**
	04	**Follow Spots 24 V/ 0,2 KW with Dimmers**	
	03	**DATAFLASH AF 1000**	

Portal towers	**09**	**PC-Spots 2,0 KW**	
(left and right)	**01**	**PC-Spots 5,0 KW**	
	02	**Parabolic spots 24 V/ 1,0 KW**	
	02	**Parabolic spots 24 V/ 0,2 KW**	

Galleries	**03**	**high power- Parabolic spots 24 V/ 1,0 KW**	
(left and right)	**11**	**Parabolic spots 24 V/ 1,0 KW**	
	01	**Parabolic spots 24 V/ 0,5 KW**	
	02	**Zoom- Profile spots 2,0 KW**	**15°-40°**
	03	**PC-Spots 5,0 KW**	

2.3.2 Public area

Portal towers	**03**	**Zoom- Profile spots 2,0 KW**	**30°**
(left and right)	**12**	**PC-Spots 2,0 KW**	
	10	**Parabolic spots 24 V/ 0,2 KW**	

Public area bridge	**06**	**Zoom- Profile spots 2,0 KW**	**18°-27°**
	04	**Zoom- Profile spots 2,5 KW**	**15°-38°**
	06	**Parabolic spots 24 V/ 0,2 KW**	
	06	**Parabolic spots Parabolic spots 24 V/ 1,0 KW**	
	04	**Parabolic spots 24 V/ 0,5 KW**	

Public Area side positions	**01**	**Follow spots Shadow Basic 1,2 kW HMI**	
(left and right)	**04**	**Parabolic spots 24 V/ 1,0 KW**	
	02	**Parabolic spots 24 V/ 0,5 KW**	
	02	**Parabolic spots 24 V/ 0,2 KW**	
	01	**Zoom- Profile spots 2,0 KW**	**18°-27°**
	02	**Zoom- Profile spots 2,0 KW**	**15°-40°**

Balcony	**04**	**high power- Parabolic spots 24 V/ 1,0 KW**

Projection cabin	**02**	**Projectors HMI 2,5 KW (18 cm x 18 cm)**
	16	**Parabolic spots 24 V/ 1,0 KW**

2.4. Equipment/ flexible

08	**Booms each with:**
02	PC-Spots 2,0
01	Zoom-Profile spots 2,0 KW 18°-27°
01	Parabolic spots 24 V/ 0,2 KW

03	HMI-Spots Fresnel 4,0 KW with Gate dazzles, mechanical Shutter/ 2 with Colour changer
03	HMI- spots Fresnel 2,5 KW with Gate dazzles, mechanical Shutter
02	HMI- Zoom- Profile spots 1,2 KW 15°-32° with mechanical Shutter

10	Fresnel 5,0 KW
05	Zoom-Profile spots 2,0 KW 18°-32°
50	Par 64
15	PC-Spots 2,0 KW
06	PC-Spots 0,5 KW
06	Fresnel 0,65 KW
20	Parabolic spots 24 V/ 0,2 KW

16	Svoboda ramps

03	Floods 5,0 KW symmetric
40	Floods 2,0 KW asymmetric
15	Floods 1,0 KW symmetric

2.5 Current supply Stage/ fixed

Parallel to the Light supply exist a external power supply to the main stage
This can additional switched on over a separate plant.

> 1 x 3 x 200 A, open clamps with 12mm Stay bolts
> also 4 connection stations with CEE 3P/ N/ S 63A/ 32A/ 16A/ 380V

3. Sound- and Video equipment

3.1. Stage managers Position

2 Desks left and right with the same equipment

The desks make a acoustical communication over Intercom system and Telephone in all technical Areas possible. With all together 10 different call groups Calls in all house areas are possible.

Additional for flexible acoustic communication the desks includes 2 Radio systems and personal Intercom.

The optical Signal system for the whole stage area inclusively Machinery, Galleries, Light desk and Sound desk works with all together 40 Light signals, there from 4 portable.

The optical control works about the installed TV-Monitor with 7 switch able views: Stage total view, Conductor, Stage left and right, Main bridge, down stage left and right

3.2. Installed Video equipment

with all together: **> 7 Observation-Cameras different types push the signal over > 1 TV-Crossbar Videv 300 to the fixed and portable TV-Monitors. The camera in the Main bridge a is infra red-suited camera which with 2 Infrared spots a watching also in a total black is guaranteed.-**

In stage- and public area located are:

fixed Monitors:

> Auditorium under the balcony left and right	**2 x Barco SCM 2850/ 70 cm**
> Proscenium left and right	**2 x Panasonic WV 4390 G/ 48 cm**
> Stage in Proscenium-towers left and right	**2 x Barco SCM 2850/ 70 cm**
> stage back left at both exit doors	**1 x Barco SCM 2850/ 70 cm**
> stage back left and right	**3 x Phillips/ 28 cm**
> back stage left and right	**2 x Panasonic WV 4390 G/ 48 cm**

portable Monitors:

> 2x Barco SCM 2850 / 70 cm
> 6x Panasonic WV 4390 G / 48 cm
> 1x Phillips / 28 cm

3.3. Sound equipment

Sound cabin located behind the auditorium with look at stage and works with:

> Sound desk:	**48**	**Channels and Mix-Busses**
Yamaha PM1D	**24**	**Matrix-Busses,**
	128	**Input Mic/Line**
	64	**Output**
	16	**AES In- and Output**
	01	**ADAT In/Out**
	24	**Line-In und Line-Out**
	04	**EQ's und Compressor/ Gate in each Channel**
	08	**internal Effects**
	24	**graphic EQ's – free routable, Software-Version 2.3**
> Monitors	**4 x**	**Musikelektronik Geithain RL 904**
> Effect machines:	**1 x**	**Eventide Model H 3000 B Ultra Harmonizer**
	1 x	**Lexicon 300 Digital Effects System**
> Pass on devices	**1 x**	**Dat-Recorder Tascam DA-30**
	1 x	**CD-Recorder Tascam CD-RW 2000**
	1 x	**Mini Disc-Recorder Tascam MD-801R MK II**
	1 x	**Mini Disc-Player Tascam MD-801P MK II**
	1 x	**Akai Magneto Optical Disk Recorder DD 1000**
	2 x	**Cassette-Deck: Tascam 112 MK II**
> Micro port system	**4 x**	**Double receiver Sennheiser EM 3532 790,100MHz/ 790,500MHz/ 791,000MHz/ 791,600MHz/ 792,300MHz/ 792,725 MHz 793,300 MHz, 793,750 MHz,**
	8 x	**Case transmitter SK 5012 U**
	8 x	**Microphones with caps DPA 4066**
	1 x	**Hand transmitter SKM 5200 with caps Neumann KK104**
> Microphones:	**4 x**	**AKG C414B P48/ C419/ C411**
	2 x	**AKG C568 EB**
	1 x	**AKG D112S**
	1 x	**AKG D321S**
	1 x	**AKG D65S**
	2 x	**AKG D90**
	2 x	**Audio-Technica AT871R**
	3 x	**Beyer Dynamic CK 703**
	4 x	**Neumann KM100 P48 + 2x AK30, 2x AK40, 2x AK45**
	2 x	**Neumann TLM 193**
	4 x	**Sennheiser e904**
	3 x	**Sennheiser MD 422 U**
	3 x	**Sennheiser MD 431 Profipower**
	2 x	**Sennheiser MD 441 U**
	2 x	**Sennheiser MKH 20 P48**
	5 x	**Sennheiser MKH 40 P48**
	6 x	**Shure Beta 58a**

In whole House located are 33 Plug stations (see Plot) with following Possibilities:

> **XLR- Input (4 or 8)**
> **XLR- Output (2)**
> **Video- BNC (2 or 4)**
> **Loud speaker 4 Ohm (1 or 2)**
> **Loud speaker 100V (1)**
> **Intercom (1)**
> **CAT.6 (2)**
> **LWL (2)**

The Sound system placed with following <u>loud speakers</u>

Fixed Speaker system:

> **Portal left and right each side 3x Meyer-Sound UPA 1**
> **Portal up (Centre) 4x Meyer-Sound UPA 1**
> **Stage back (Effect bring in) Kling & Freitag Access (each 1 x T5, 1 x T9, 2 x B5)**
> **Stage wings (Monitoring, Effect bring in) left and right each side 2x Adamson MH225/B218**
> **Stage front (Monitoring) left and right each side 2x KS T11**
> **Stage back up (Effect) 3x KS CPA2**
> **Stage wing up (Effect) left and right each side 2x KS CPA2**
> **Bach stage back wall 2x Adamson MH225 / B218**
> **Curtain bridge 2x KS CPA2**
> **Orchestra pit (parapet wall) 2x JBL Control 5**

Transportable Loud speakers:

> **2 x Alcons VR12**
> **6 x KS CPA2**
> **2 x KS T12 + T12-W active**

<u>Transportable Technique</u>:

> **1 x Mixer Soundcraft Spirit Folio**
> **1 x Mixer Yamaha DM1000**
> **1 x CD-Player Tascam CD-401**
> **1 x Cassette deck Denon DN-720**
> **4 x active DI-Box Behringer Ultra-DI DI20 Active**
> **4 x passive DI-Box Millennium DI-E**
> **2 x Split box Line Balancer Whirlwind**
> **2 x Phantom input adapter AKG B18**

3.4 . Communications equipment

At the fixed Stage positions exists 3 cable connected Intercoms:

> 1. Intercom with 4 Substations
(Direction - Auditorium, Sound Cabin, Repetition, Stage manager)

> 2. Intercom with 14 Substations in Stage Machineries area

> 3. Intercom with diverse Substations in Light- and Stage -technique

For the portable employment a wireless Personnel management system exists FE 22/ 37 MHz with 1 Transmitter/ 10 Receivers.

The technical Teams work with Walkie-Talkie's Kenwood

> Light technicians	**10 devices 152,63 MHz**
> Stage technicians	**10 devices 152,51 MHz**
> Machinery	**5 devices 152,55 MHz**
> Sound technicians	**3 devices 152,51 / 152,55 MHz**

All devices with Sub frequency 71,9/ 77,0 KHz

4. Video projection- and Recording

For Recording are useable :

> Sony DSR 300/ DVCAM

> Panasonic F15 (without Recorder)

Cut place and Player:

> Avid XPres Pro 2003 V4.0

> Pinnacle Studio 11

> DVCAM-Recorder Sony DSR-11

> DVCAM-Recorder Sony DSR-20P

> DVD-Recorder Pioneer DVR-545H

> DVD-Player Sony DVP-NS3030

> S-VHS-Recorder Panasonic AG 7355

> LaCie DupliDisc

Portable Video projectors

> Sanyo PLC 9005 EA	**Pixel**	**1.024 x 768**
	Ansi Lumen	**2.200**
	Contrast	**250 : 1**
	Objective	**2.6 - 3.49**
> Panasonic PT-D 10000E	**Pixel**	**1.400 x 1.050**
	Ansi Lumen	**10.000**
	Contrast	**5000 : 1**
	Noise	**43dB**
	Objective	**3.0 - 5.0 : 1 und 1.5 - 2.0 : 1**

Fixed Over title system with

> Computer system	**with Software „TitlePro v1.11“**
> Video projector	**Sanyo PLC-XF40**

5. Rehearsal room

5.1 Rehearsal stage 1

The Rehearsal stage 1 located in the 3. Floor Room B 501.
The all over ground area are 306m², the minimum height is 8m.
This rehearsal stage is useable for rehearsals with marked decoration also for Orchestra rehearsals.

5.2 Rehearsal stage 2

The Rehearsal stage 2 located in the Sub Floor Room B 001
The all over ground area are 309m², the minimum height is 3,37m.
Inside the area located 6 columns 00,50 m * 00,50 m,
The area inside the column rows measures 06,10 m * 27,30 m.
This rehearsal stage is useable for rehearsals with marked Decoration also for Orchestra rehearsals.

5.3 Orchestra rehearsal room

The Orchestra-rehearsal-room located in the 3 Floor Room B 505.
The usable ground area is 257m², the minimum height is 4,20 m.
This rehearsal stage is useable for ballet rehearsals and rehearsals with marked Decoration, also for Orchestra rehearsals

5.4 Ballet rehearsal room 1

The Ballet-rehearsal-room located in the 3 Floor Room B 553.
The usable ground area is 257m², the minimum height is 4,20 m.
This room is useable for Dance classes and Ballet rehearsals.

5.5 Ballet rehearsal room 2

The Ballet-rehearsal-room located in the 3 Floor Room B 551.
The usable ground area is 97m², the minimum height is 4,20 m.
This room is useable for Dance classes and Ballet rehearsals.

5.6 Ballet studio

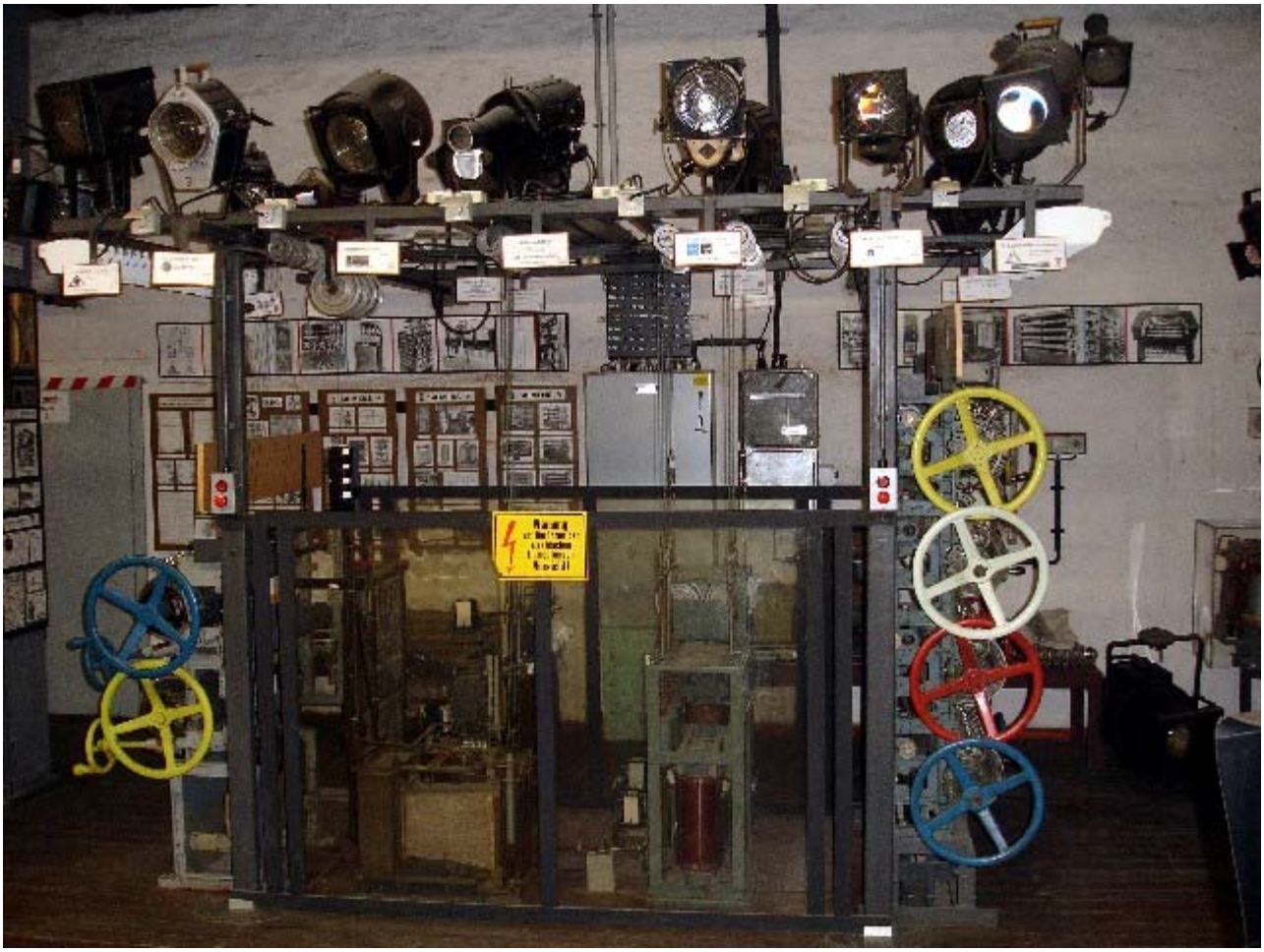
The Ballet studio located in the 2. Floor Room Z 401.
The usable ground area is 89m², the minimum height is 5,20 m.
The studio is useable for Dance classes and Ballet rehearsals till around 12 Persons.

5.7 Choir rehearsal room

The Choir rehearsal room located in the 2.Flor Room Z 451.
The ground area is 124m², the minimum height 5,20 m.
I the Choir rehearsal room are 5 plateaus inserted as terraces.
The room is useable for Choir rehearsals up to 133 Persons.

6. Technical Cabinet

1984 founded as a teaching room for the training of stage and lighting technicians. The in these rooms collected types of spots are documents for the History and the development of lighting technique.



Important objects are for example:

> original Effect disk from 1919 (Fa. Hugo Bähr/ Landestheater Altenburg)
> Silent movie-Projector from 1910 (Fa. Ernemann/ Schauspielhaus Leipzig)
> Glow lamp-Spot from 1930 (Fa. Hagedorn/ Festspielhaus Bayreuth)
> Cloud-Projection device from around 1940 (Fa. Hagedorn/ Klubhaus Bitterfeld)
> Bow light-Spot from 1922 (Fa. Schwabe & Co./ Metropoltheater Berlin)

The Technical Cabinet can be visited in the context of the regularly taking place house guidance.
Special guidance is after arrangement with that Technical Direction possible.