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RISK Assessment

Version: FvE & RV 2023 03 22

I Contact information

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II Responsibilities

Company / Producer

- II.1 Knowledge of regulations regarding safe work environments, based on a risk assessment and evaluation.
- II.2 Appliance of the knowledge of regulations in practice.
- II.3 Responsible behaviour of employed technicians.
- II.4 Safety instructions to employed technicians.
- II.5 Provision of correct and complete information on the production to the theatre.
- II.6 Safety of employed technicians and theatre employees when handling the brought materials and equipment.
- II.7 Provision of adequate PPE (Personal Protective Equipment) to employed technicians, and the technicians of the theatre (when required to do so for handling supplied materials and equipment).
- II.8 Adequate safety instructions to theatre employees during rehearsals, show and breakdown.
- II.9 Provision of permits for the usage of fire / fireworks or other effects that require a permit when used during the performance.
- II.10 Safety (proven by certificates), maintenance, and operation of brought installations, gear and materials.
- II.11 Safety (proven by certificates) of the rented equipment that are used for the production.
- II.12 Scheduling of employed technicians based on agreements between theatre and company, according to the Working Hours Act.

Theatre

- II.21 Knowledge of the regulations regarding labour safety, shown by a risk assessment.
- II.22 Appliance of this knowledge in practice.
- II.23 Responsible behaviour of employed technicians.
- II.24 Safety instructions for the employed technicians.
- II.25 Provision of adequate PPE (Personal Protective Equipment) to employed technicians and overseeing the usage of the PPE.
- II.26 General safety on and around the stage.
- II.27 Safety (proven by certificates), maintenance, and operation of brought installations, gear and materials owned by the theatre.
- II.29 Safety (proven by certificates) of the rented equipment by the theatre that are used for the production.
- II.30 Scheduling of technicians employed by the theatre based on agreements between theatre and company, according to the Working Hours Act.

III Checklist

Answer the questions. When answering no, a solution/explanation is required.

1 General	Yes	No	n.a.	Solution Explanation
1.1 Is it clear in this production who is responsible for which tasks, duties and jurisdictions?	X			All technicians are responsible for their own tasks within their own discipline.
1.2 Are employees instructed on the usage of the materials, machines, tools, and a proper work pose (etc.)?	X			
1.3 Are the artists instructed in regards to the safety during the performance (e.g. fall protection)	X			The constructor of the installation has given instructions at delivery.
1.4 Are there instructions and procedures present for the working processes (i.e. handling of hazardous liquids)?	X			
1.5 Does the company have enough first aid equipment for all personnel working on and around the stage?	X			Theaters are equipped with first aid equipment
1.6 Is someone overseeing the work floor?	X			
1.7 Are unauthorised persons removed from the stage?	X			
2 Safety during and after the construction of the decor	Yes	No	n.a.	Solution Explanation
Is safety guaranteed on the stage in regards to:				
2.1 Entrapment (i.e. using hydraulics) or getting hit by moving objects		X		Building happens in a fixed order Performance also in fixed order, with extra supervision and control with cameras and emergency stops.
2.2 Bumping, punctures, scraping, cutting	X			PPE provided.
2.3 Tripping, falling, slipping	X			Cable mats and ditches are provided.
2.4 Blindness or electrocution	X			
2.5 Hazardous sound levels		X		Reference to PPE: Ear protection is provided.
2.6 Fire and explosions		X		Is lifting equipment clearly marked with what it may be used for (max. lifting load, passenger transport, etc.)?
2.7 High or low temperatures that are hazardous.			X	
2.8 Sharps and sparks			X	
2.9 Are all certificates and safety instructions available?	X			All certificates are available online. From now on in this assessment these will be summarised as 'construction book'
2.10 Will PPE be provided to the employees and will they be asked to use them?	X			For all technicians (from theatre and company) enough working gloves and ear protection are provided.
3 SAFETY during the performance	Yes	No	n.a.	Solution Explanation
3.1 Does the company make sure that all emergency exits and paths are visible and within reach?	X			After build up there is a specific inspection in regards to this.
3.2 Does the company make sure that all fire extinguishers are visible and within reach?	X			After build up there is a specific inspection in regards to this.
3.3 Is movement of the decor during the performance avoided?		X		Decor is built to move (circular rotating house) Operation of mechanics is done by set technician
3.4 Is the safety of the technicians and performers ensured during movements?	X			Ensured by performance acts in to fixed order, additional monitoring and control with cameras and emergency stops
3.10 Is safety ensured during the performance of all those present on stage in regards to:				
3.11 Entrapment (i.e. using hydraulics) or getting hit by moving objects	X			Ensured by performance acts in to fixed order, additional monitoring and control with cameras and emergency stops
3.12 Bumping, punctures, scraping, cutting	X			
3.13 Tripping, falling, slipping	X			
3.14 Blindness or electrocution	X			
3.15 Hazardous sound levels	X			Sound levels are fixed.
3.16 Fire and explosions			X	
3.17 High or low temperatures that are hazardous.			X	
3.18 Sharps and sparks			X	
3.20 Is safety for the audience ensured during the performance regards to:				
				The audience will not enter the performance space.

3.21	Entrapment (i.e. using hydraulics) or getting hit by moving objects			X	
3.22	Bumping, punctures, scraping, cutting			X	
3.23	Tripping, falling, slipping			X	
3.24	Blindness or electrocution			X	
3.25	Hazardous sound levels			X	
3.26	High or low temperatures that are hazardous.			X	
3.27	Is the audience instructed on the risks and dangers?			X	
4	Work at height (Dutch law/ARBO: 2,50 m. or higher)	Yes	No	n.a.	Solution Explanation
4.1	Is working at height avoided during construction and dismantling?		X		Fixing the lights in grid: a cherry picker of the theatre is used by the company and the employees of the theatre.
4.2	Is working at height avoided during rehearsal and performance?	X			
4.3	Can the workplace at height be reached safely and can work be done safely on the site?	X			
4.4	Is fall protection (such as railings or fencing) or PPE (e.g., hoisting harness) used when working at height?	X			
4.5	Is lifting equipment clearly marked with what it may be used for (max. lifting load, passenger transport, etc.)?	X			Reference to construction book
4.6	Did the company take into account the risk of pinching, dislodging or uncontrolled movement of the load when using lifting equipment?			X	
4.7	Are the persons working at heights adequately qualified? (specify in last column)	X			All employees are instructed properly.
5	DECOR	Yes	No	n.a.	Solution Explanation
5.1	Are safety-critical components checked during every construction?	X			
5.2	Are the required certificates and/or permits brought along by the company?	X			Refrence to construction book: i.a. construction decor in <i>I... UM I Structural Calculations</i>
5.3	Is the decor being built by sufficiently qualified persons? (specify in last column)	X			Building the Decor: 'Door Douwe', written down in <i>I... UM I Structural Calculations</i>
5.4	Is the decor made of fireproof material, or made fire-resistant with an agent suitable for the material?	X			
5.5	Is the use of electricity being avoided in the setting?		X		Decor includes lamps, speakers and controls: NEN 3140 approved (Dutch norm)
5.6	Are steel structures in which electricity is used equipped with safety earthing devices?	X			In several places using slip contacts and ground wires.
5.7	Is the use of motors and engines avoided in the decor?		X		Decor rotates hydraulically, parts move pneumatically
5.8	Is the use of heavy materials avoided in the decor? (specify weight of heaviest component in last column)		X		75 kg and large enough for 3 men to lift into place
5.9	Is the weight of the parts mentioned on it?	X			On parts without wheels and heavier than 75 kg
5.10	Is hoisting above people avoided?	X			
5.11	Is hoisting of heavy materials being avoided? (specify weight of highest point load in last column)		X		300 kg point load (support rig attached to rigging of the venue on three points)
5.12	Are the safety regulations for hoisting being respected?	X			
5.13	Are the persons performing the hoisting operations adequately qualified? (specify in last column)	X			Set technician is responsible - as per instructions given by the designer
6	Props	Yes	No	n.a.	Solution Explanation
6.1	Are the props made of fireproof material, or made fireproof with an agent appropriate for the material?	X			Excluding props of "normal everyday use" such as bed linen, cookware and toiletries
6.2	When choosing the props, was the safety of the performers considered?	X			During the performance, a kitchen knife and metal office supplies are swapped with foam replicas
6.3	Has the use of weapons been avoided?	X			
6.4	Are the required certificates and/or permits for weapons provided by the company?			X	
6.5	Are the persons transporting and handling the weapons adequately qualified? (specify in last column)			X	
7	ORCHESTRA PIT	Yes	No	n.a.	Solution Explanation
7.1	Will the safety of orchestra members in the pit be ensured?			X	

7.2 Does the company ensure that emergency exits and escape routes around the orchestra pit are easy to see and access?			X	
7.3 Have precautions been taken to prevent persons from falling from the stage or from the audience into the orchestra pit?			X	
8 COSTUMES	Yes	No	n.a.	Solution Explanation
8.1 Are the costumes made of fireproof material?		X		Costumes are from a 'regular' store collection Impregnation is impossible due to comfort issues
8.2 In designing the costumes, was attention paid to the comfort of wearing them (related to warmth and freedom of movement)?	X			
8.3 Was the size and heaviness related to lifting taken into account in the design of the costumes?	X			
9 LIGHTING	Yes	No	n.a.	Solution Explanation
9.1 Does the company's lighting equipment meet the safety regulations?	X			Company technicians only go into the bridges after instructions from the theatre technicians
9.2 Are safety-critical components checked every construction?	X			
9.3 Does lighting equipment hired by the company come from a qualified company?	X			
9.4 Are suspended lighting fixtures equipped with a locking device?	X			
9.5 Is safety ensured on the light bridges?	X			
10 SOUND	Yes	No	n.a.	Solution Explanation
10.1 Does the company's sound equipment meet the safety regulations?	X			
10.2 Are safety-critical components checked during every construction?	X			
10.3 Does the sound equipment hired by the company come from a qualified company?			X	
10.4 Are suspended sound installations equipped with a locking device?	X			
10.5 Is exposure to harmful noise being avoided?	X			
10.6 Are hearing protectants provided and used?			X	
11 SPECIAL EFFECTS	Yes	No	n.a.	Solution Explanation
11.1 Is the use of smoke being avoided?	X			
11.2 Is the use of open fire being avoided?	X			
11.3 Is the use of fireworks or explosions being avoided?	X			
11.4 Is the use of dangerous gasses and chemicals being avoided?	X			
11.5 Is the use of other dangerous special effects being avoided? (i.e. radiation, biological agents)	X			
11.6 Have measures been taken to carry out the special effects safely?			X	
11.7 Are the required certificates and/or permits provided by the company?			X	
11.8 Are the persons preparing and performing the special effects adequately qualified? (specify in last column)			X	
12 WORK EQUIPMENT USED ON STAGE (equipment, machinery and tools)	Yes	No	n.a.	Solution Explanation
12.1 Are the machines and tools being used for what they are designed or intended for?	X			Reference to construction book.
12.2 Are the machines and tools suitable and appropriate for the persons working with them?	X			
12.3 Are the machines and tools used in a secure manner?	X			
12.4 Are safety-critical components inspected at least annually?	X			
12.5 Are the required certificates and/or permits provided by the company?	X			
12.6 Are employees instructed on potential risks of working with work equipment?	X			
12.7 Will PPE be provided to the employees and will they be asked to use them?	X			

13 PHYSICAL STRESS				Yes	No	n.a.	Solution Explanation
13.1	Is unilateral stress prevented?	X					
13.2	Is lengthy work in a static posture being avoided?	X					
13.3	Does the work involve less than two hours of lifting per day?	X					
13.4	Is the weight of the objects being lifted lighter than 25 kg per person?	X					
13.5	Can lifting be performed in a convenient body position?		X				Some decor parts must be mounted 'at an angle'
13.6	Are there any lifting aids?	X					Motor hoists, among others
13.7	Are push and pull movements avoided as much as possible?		X				
13.8	Can push and pull movements be done in a convenient body position?	X					
13.9	Is squatting and kneeling avoided as much as possible?		X				
13.10	Can kneeling or squatting be done in a favorable body position?	X					
13.11	Is the total working time in stationary position less than 4 hours per day?	X					
13.12	Is standing work alternated with walking and sitting work?	X					
13.13	If the work can also be done while sitting, is there an opportunity for that?				X		
14 WORKPLACE SETTING ON AND AROUND STAGE				Yes	No	n.a.	Solution Explanation
14.1	Is there enough freedom of movement while working on stage?	X					
14.2	Has attention been paid to an orderly setting of the workplace?	X					
15 WORKING PRESSURE				Yes	No	n.a.	Solution Explanation
15.1	Is there enough staff to do the work?	X					
15.2	Is there enough time to do the work?	X					
15.3	Is there clear information for everyone about tasks and responsibilities?	X					
15.4	Do employees have a say in how their work, the working conditions and division of tasks are arranged?	X					
15.5	Are the procedures concerning accidents clear to everyone?	X					
15.6	Does the work (including overtime) occur within the limits of the collective bargaining agreement or Working Hours Act?	X					
15.7	Do breaks and rest periods take place in accordance with the collective bargaining agreement or Working Hours Act?	X					
16 PARTICIPANTS REQUIRING SPECIAL ATTENTION				Yes	No	n.a.	Solution Explanation
16.1	Has labor by children been avoided?	X					
16.2	Are the regulations around labor by children being followed?				X		
16.3	Are the required certificates and/or permits provided by the company?				X		
16.4	Has the participation of persons with physical or cognitive disabilities been avoided?	X					
16.5	Are appropriate measures being taken regarding the safety of these persons?				X		
16.6	Is information provided (to the extent necessary) to the personnel regarding the disability?				X		
16.7	Has animal participation been avoided?	X					
16.8	Are appropriate measures being taken regarding animal safety?				X		
16.9	Are appropriate measures being taken to protect the health of those present?	X					
16.10	Are the required certificates and/or permits provided by the company?				X		

END