

Brilliant and Challenging Sets

Opera Europa Technical Stage Manager
and Set Workshop Forum

9-10 May 2019

Dutch National Opera & Ballet



Malmö Opera Feather Box

Fredrik Täck

- Scale model



No 2 Malmö Opera Fjäderbox liten.mov

Malmö Opera Feather Box

Fredrik Täck

- Full scale



No 2Malmö OperaFjäderbox stor.MOV

Viener Staatsoper Michael Wilfinger



On_Stage_zeitraffer.mp4



WIENER STAATSOOPER

Carmen

opening night: 09.12.1978

Director and setdesign: Franko Zeffirelli

Staff at the performance

stagehand: 50

machinist: 31

upholster: 8

prop man: 10

electrician: 17

Eletroacousticians: 2

Truck loads : 31



WIENER STAATSOOPER

La fanciulla del west

opening night: 05.10.2013

Director and setdesign: Marco Arturo Marelli

Staff at the performance

stagehand: 33

machinist: 30

upholster: 4

prop man: 7

electrician: 15

Eletroacousticians: 4

Truck loads : 21



Royal Opera House

Challenging Set

Cavalleria Rusticana and Pagliacci

3 DECEMBER 2015—1 JANUARY 2016 | Main
Stage

- **Designer** – Paolo Fantin
- **Director** – Damiano Michieletto
- **Production Manager** – Will Harding

Two complementary works tell dark tales of
passionate love that sours to violent jealousy.

What were the challenges?

- Two shows in one
- Dual purpose scenery
- Radical changeovers – one 30 minute interval in a 2h36 min showtime

Construction

- Main body of set sat on a belt driven revolve and seen from all sides.
- Flying system used for changeovers, e.g. removable roof and tracking walls flown in and out.

Scenic Art

- Hiding breaklines due to modular moving nature of the set.
- High levels of realism











Time Lapse



ROH_TIMELAPSE_1A.MP4





... whispers a heart-warming
song of love



Speeding along
on the open road



and has risen from the tomb





I've just arrived



May 1?...



Then he turns back
and bangs his bass drum







I'm talking to Tonio,
and all of you











Recent Project
Darren Joyce

APOLLO 11

AN IMMERSIVE 360° ADVENTURE

Project headlines

- Built in the UK
- Designed by Leslie Travers. Directed by Scott Faris
- CTS commissioned - 9th January 2019
- Project delivered for technical fit up at Pinewood Studios - 4th April 2019
- Project value - £697,762.
- 7,890 hours labour
- Opens in L.A. on the 5th July.

Figaro's wedding as a play

Torben



Aalborg teater

(Torben)

- For us it was a fun challenge to make the twisted cones that we only had a model of and the stage designer was in Saint Petersburg and he can only Russian (Google translates help us)



















NATIONAL THEATRE BRNO

LEOŠ JANÁČEK: KÁŤA KABANOVÁ



CZECH REPUBLIC





BRNO



NdB Národní
divadlo
Brno

**NDB= OPERA + BALLET +
DRAMA**

REDUTA

THE OLDEST THEATRE
BUILDING IN
CENTRAL EUROPE



MAHEN THEATRE

THE FIRST THEATRE IN
EUROPE TO BE LIT ENTIRELY
BY ELECTRICITY



JANÁČEK THEATRE

THE LARGEST CZECH
OPERA HOUSE



INTERNATIONAL FESTIVAL JANÁČEK BRNO





Festival **JANÁČEK BRNO** se stal vítězem prestižní **THE INTERNATIONAL OPERA AWARDS**

KÁŤA KABANOVÁ 2016



OPERA VLAANDEREN

- National Opera du Rhin
- Teatro Real Madrid
- La Scala Milano
- Teatro Regio Torino

MADE FROM

director **Robert Carsen**

set + costumes **Patrick Kinmonth**

lightd design **Robert Carsen, Peter van
Praet**





CHALLENGE

- As well as in other conditions
- Lights
- Water



TECHNOLOGY OF FLOWING WATER

- **-2 FLOOR UNDER STAGE**

- 2 tanks, 1000 litres / each
- 2 pumps , 1 for filtration
- 1 for lifting

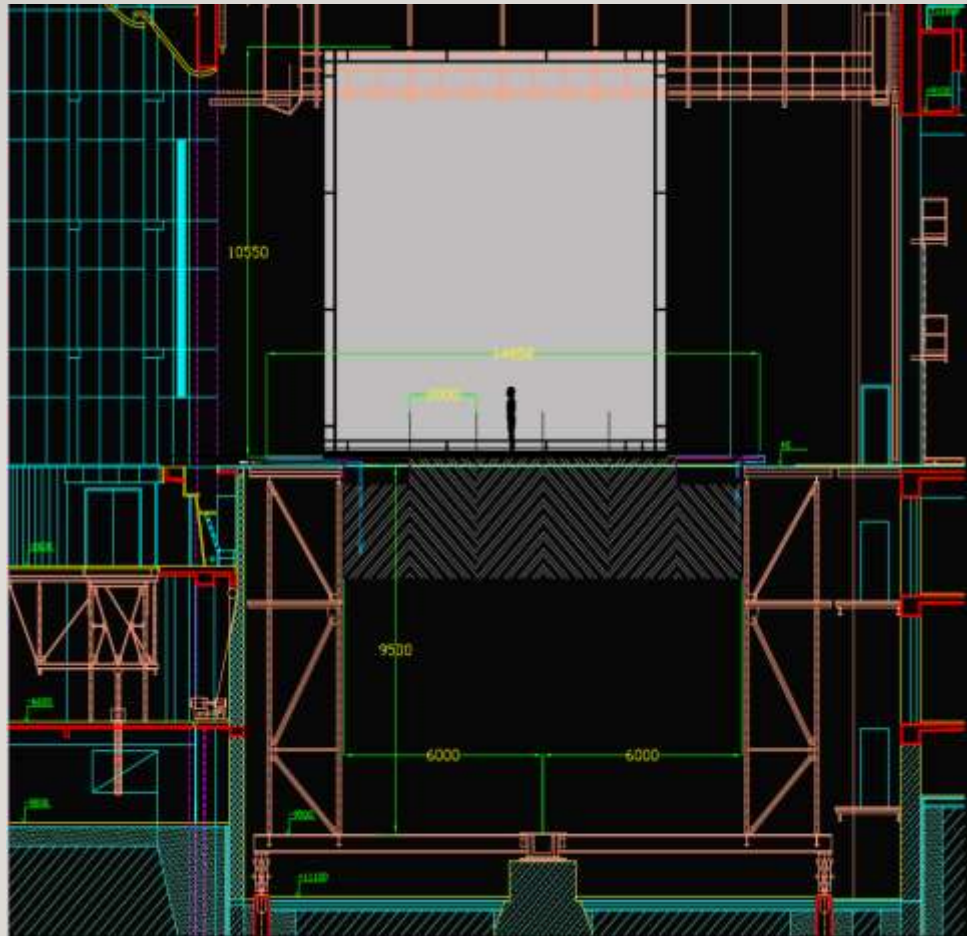
- **-1 FLOOR UNDER STAGE**

- 1 tank , 300 litres
- 1 pump

- **Stage** – pool 16x12 metres
5 cm of water

Then through drain pipes
over the stage tables
down to -2 under stage





16 000 LITRES OF WATER FOR PERFORMANCE



WHAT DOES IT MEAN?

- Find good pool company
- Play in series



THANKS FOR YOUR ATTENTION AND COME TO SEE IT IN BRNO



Challenging set piece (Tuomas)

Little Mermaid fall 2019 PUPPETRY (a Disney production):

- design by Stiches & Glue London
- realization of most puppets by HCT
- way over 25 different fish puppets
- biggest puppetry ever
- normal work force in HCT props is 1-3 persons now 4-10
- 3D-printed fish/puppetry parts

(Tuomas)

- Not allowed to publish slides yet. This will be updated later

CASE: The Fall of the King / Kongens Fald

2 elements in this presentation:

The mask

The crane



CASE: The Fall of the King / Kongens Fald

The process with La Fura del Baus / Carlus Padrissa



CASE: The Fall of the King / Kongens Fald

The mask
Model



CASE: The fall of the King / Kongens Fald

The mask

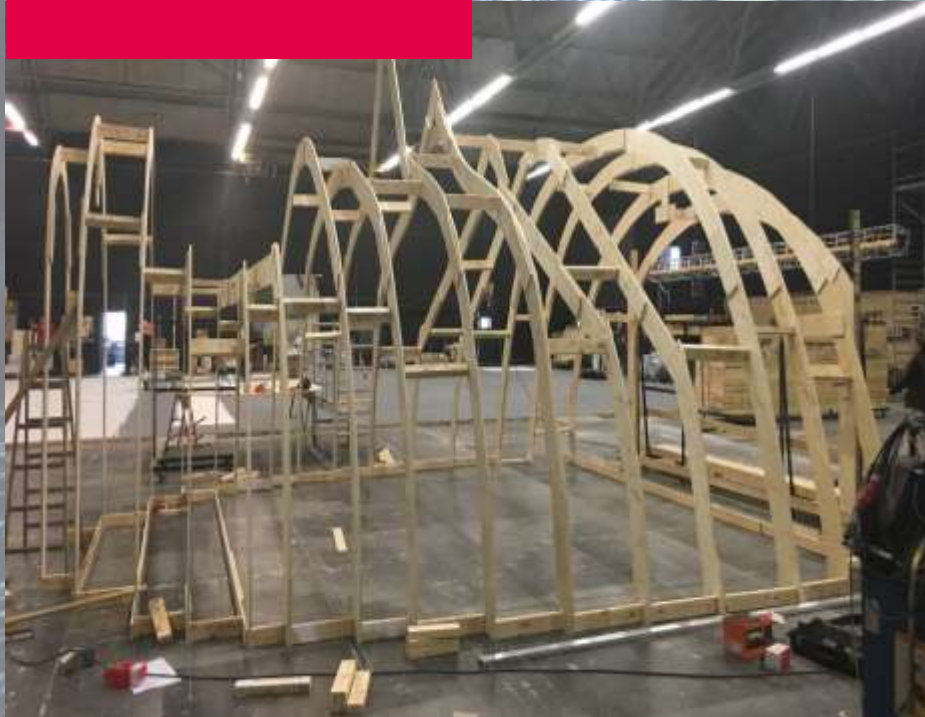
Test/sample



CASE: The fall of the King / Kongens Fald

The mask

Shape
model



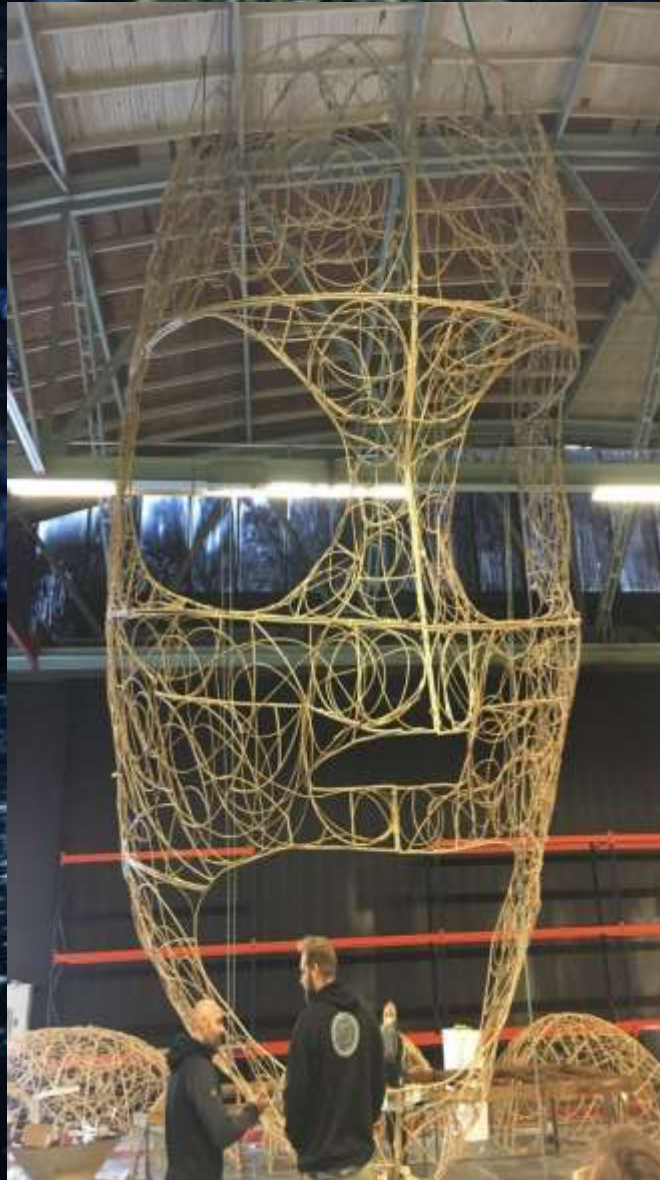
CASE: The Fall of the King / Kongens Fald

The mask
Work in
progress



CASE: The Fall of the King / Kongens Fald

The mask
Finished
construction



CASE: The Fall of the King / Kongens Fald

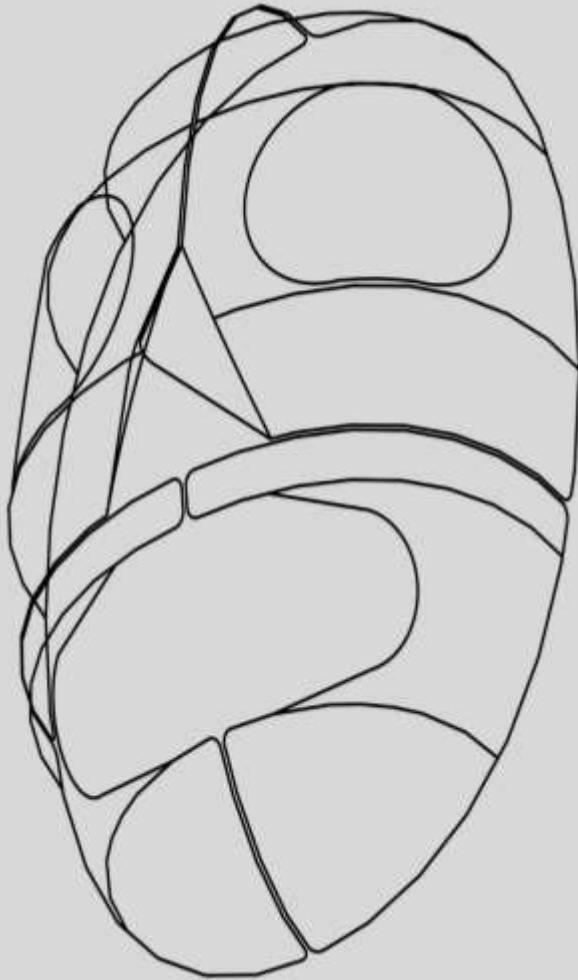
The mask

Big
problem



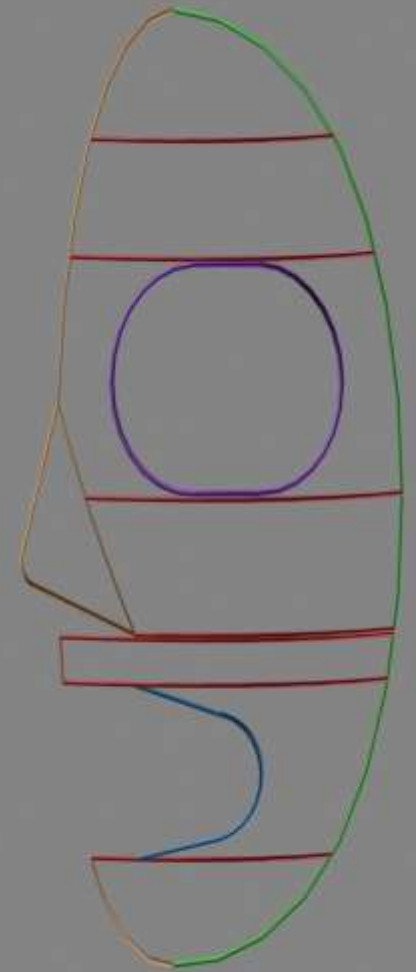
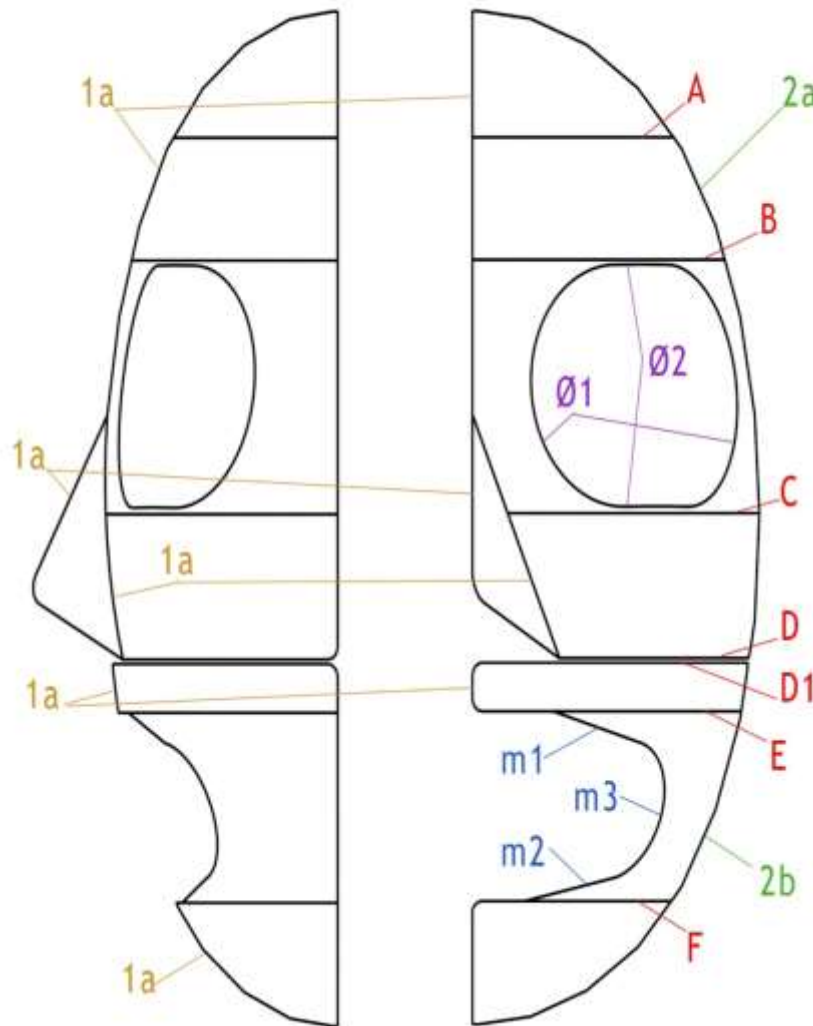
CASE: The Fall of the King / Kongens Fald

The mask
New
constructi
on



CASE: Fall of the King / Kongens Fald

The mask
New
constructi
on



CASE: The Fall of the King / Kongens Fald

The mask

Now it
works!



CASE: The Fall of the King / Kongens Fald

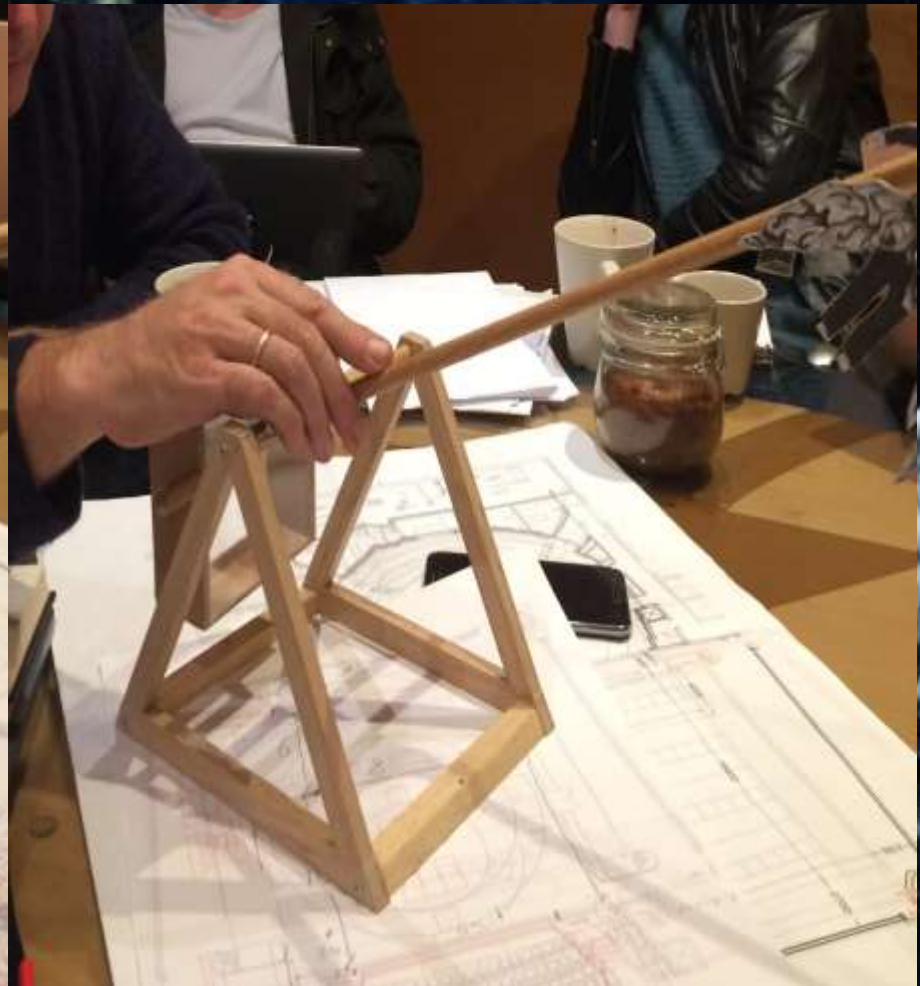
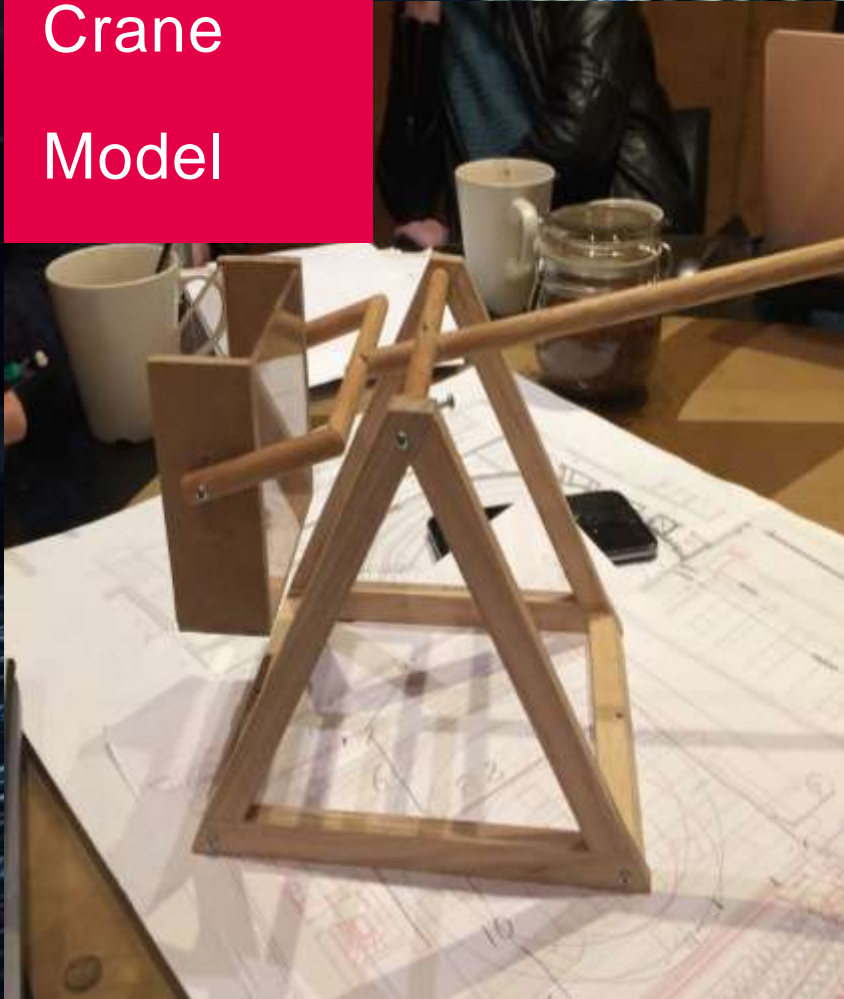
The mask

On stage



CASE: The Fall of the King / Kongens Fald

The Crane Model



CASE: The Fall of the King / Kongens Fald

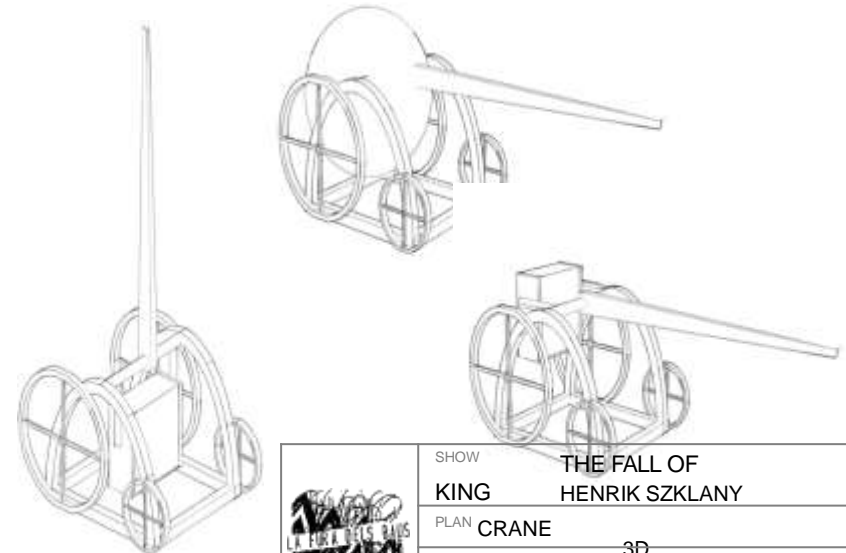
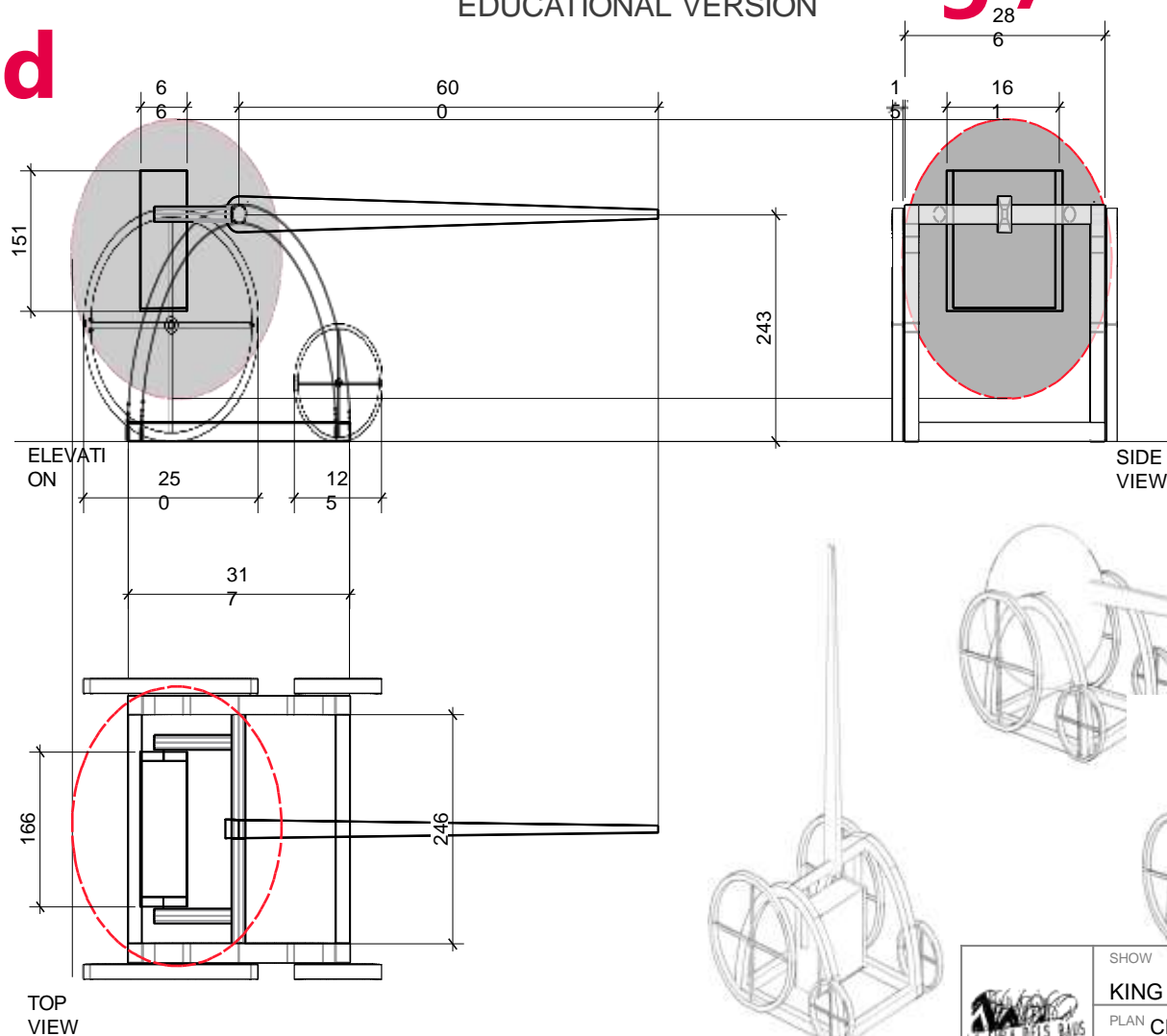
One old way of making stage flyings / romans or greek?


1. Moveable on a wet floor
2. Containing 1500 l. water
3. The arm should work for flying
4. The water container should be transparant
5. We should be able to empty the container
6. No use of dangerous electricity,

CASE: The Fall of the King / Kongens Fald

VECTORWORKS
EDUCATIONAL VERSION

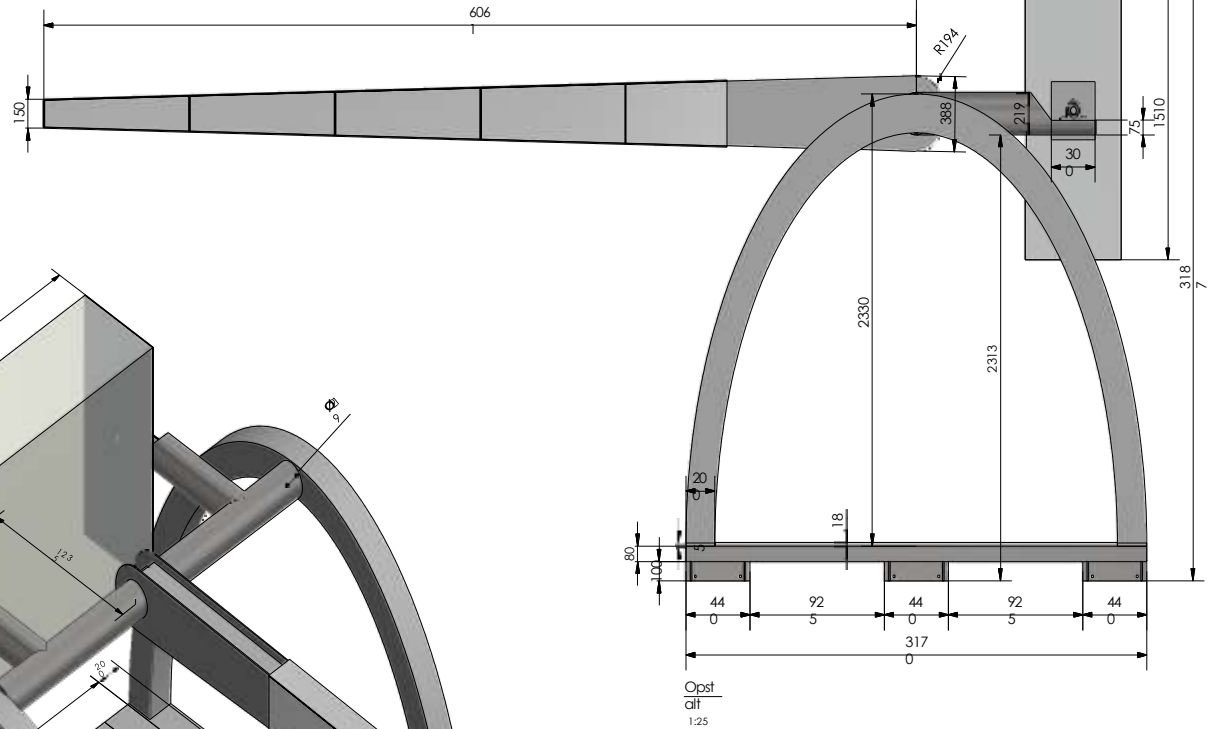
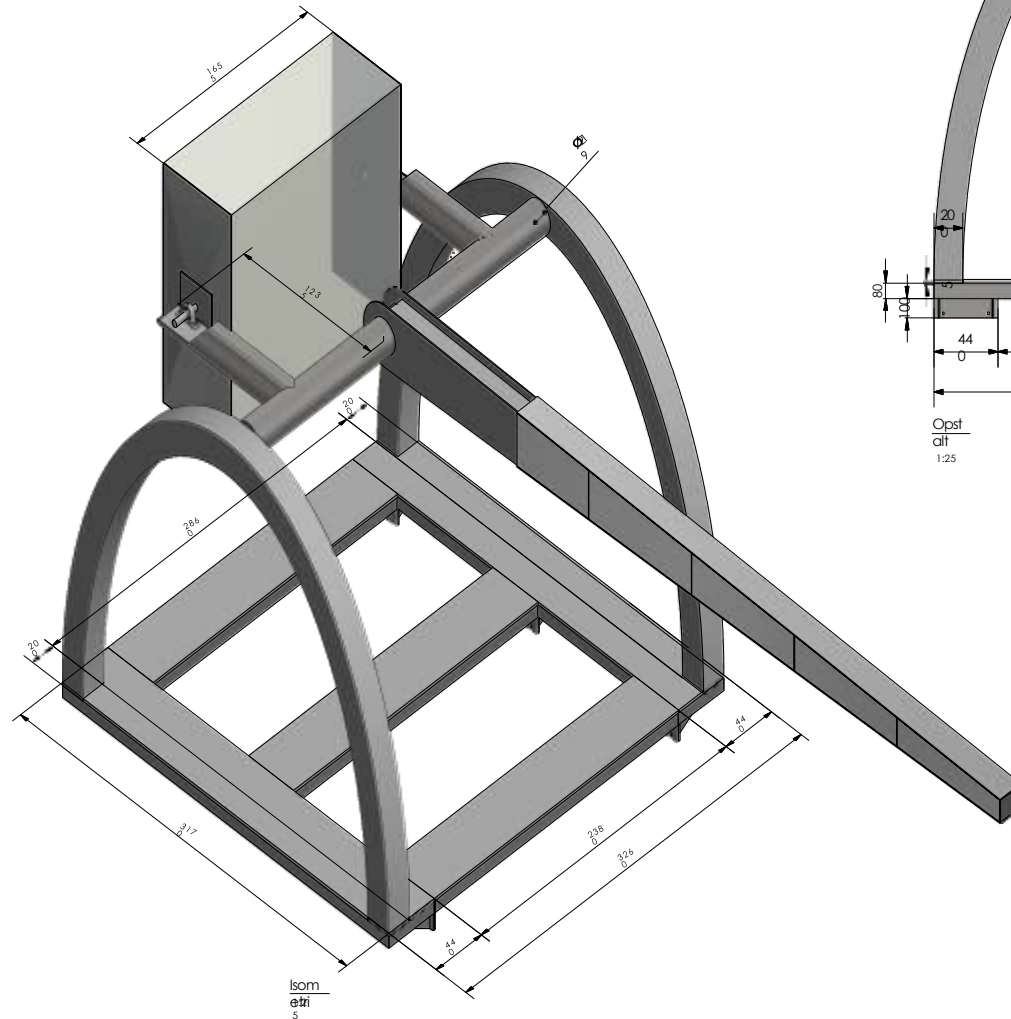
CRANE
ELEMENT



	SHOW THE FALL OF KING HENRIK SZKLANY	
	PLAN	CRANE
	SCALE	1: 50
	VIEW	DATE 20.02.'18
	PRODUCTION	SKUESPILHUSET
DIRECTION AND SET DESIGN		
DRAFTING		
CARLUS PADRISSA		
LA FURA DELS BAUS · 08005 Barcelona, Carrer de Pujades, 77 · lafura.com · lafura@lafura.com		

VECTORWORKS

CASE: The Fall of the King / Kongens Fald



Forestilling:	Scene:
ng:	Premiere:
Scenografi:	
Effekt:	
Konstruktion:	
Bygning:	Tegn.:
e:	Ilk:
	Konstr.:
	Godk.:

Målestok: 1:25 @ A3

Tegn. nr.: Samlet

Side: 106-06-2013

CASE: The Fall of the King / Kongens Fald

The
Crane
Photos
from
productio
n



CASE: The Fall of the King / Kongens Fald

The
Crane
Photos
from
productio
n



CASE: The Fall of the King / Kongens Fald

The
Crane
Photos
from
productio
n



CASE: The Fall of the King / Kongens Fald

The
Crane
Photos
from
production



CASE: The Fall of the King / Kongens Fald

The
Crane

Photos
from
productio
n



CASE: The Fall of the King / Kongens Fald

The
Crane
Photos
from
production



CASE: The Fald

g / Kongens

The
Crane
Video -
test
during
productio
n



CASE: The Fall of the King / Kongens Fald

The
Crane
Video –
stage test



CASE: The Fall of the King / Kongens Fald

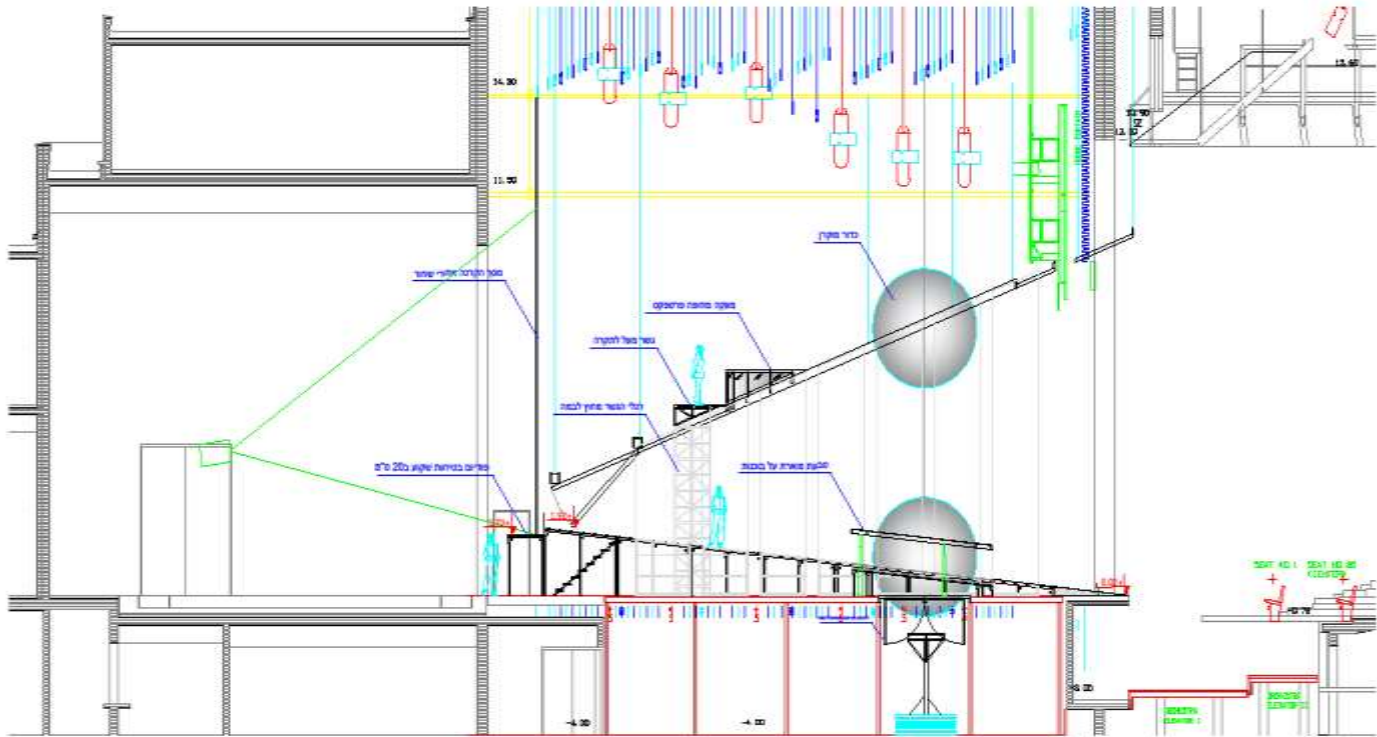
The
Crane

It all went
well in
the end.



Salome section

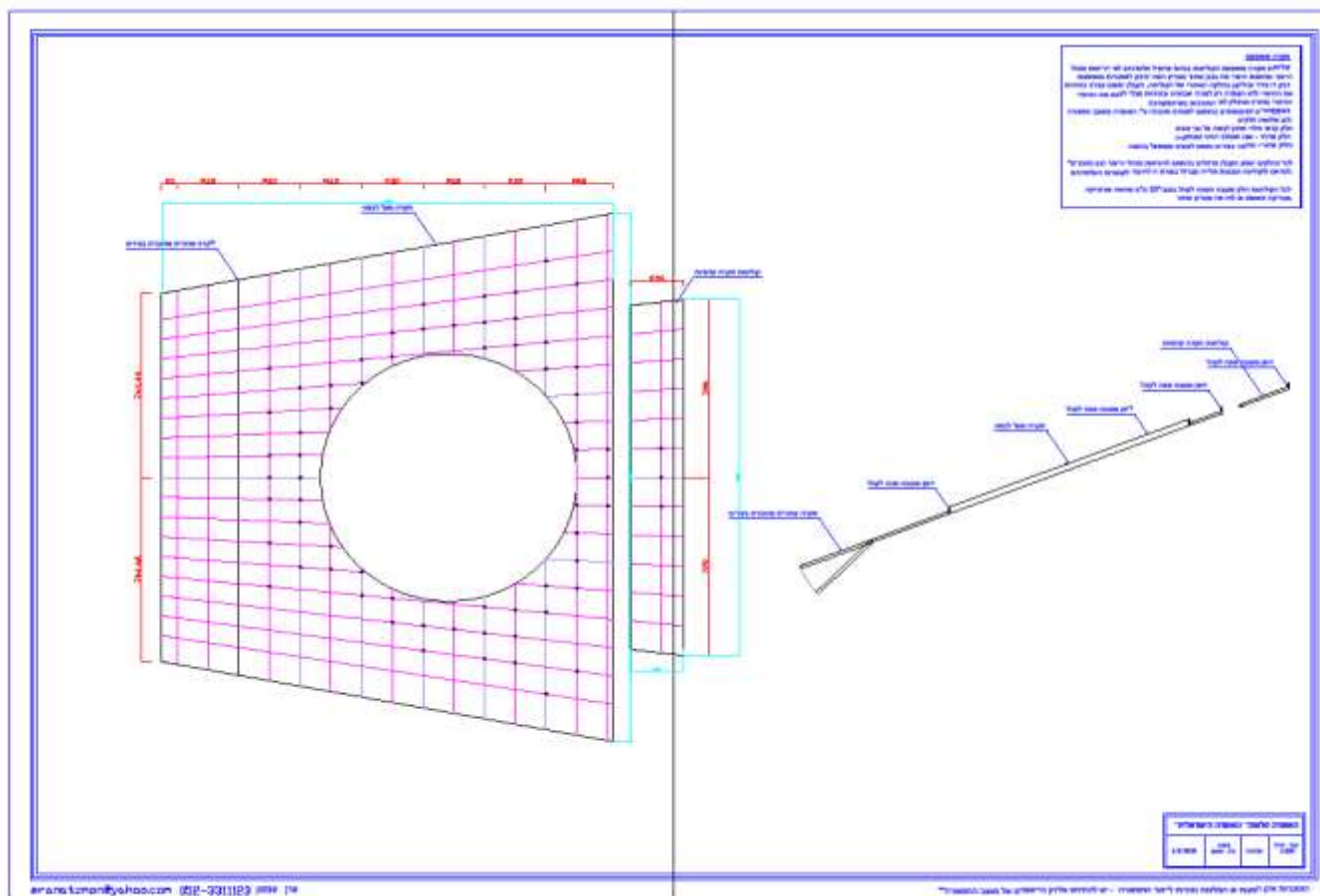
Yonatan Kanner

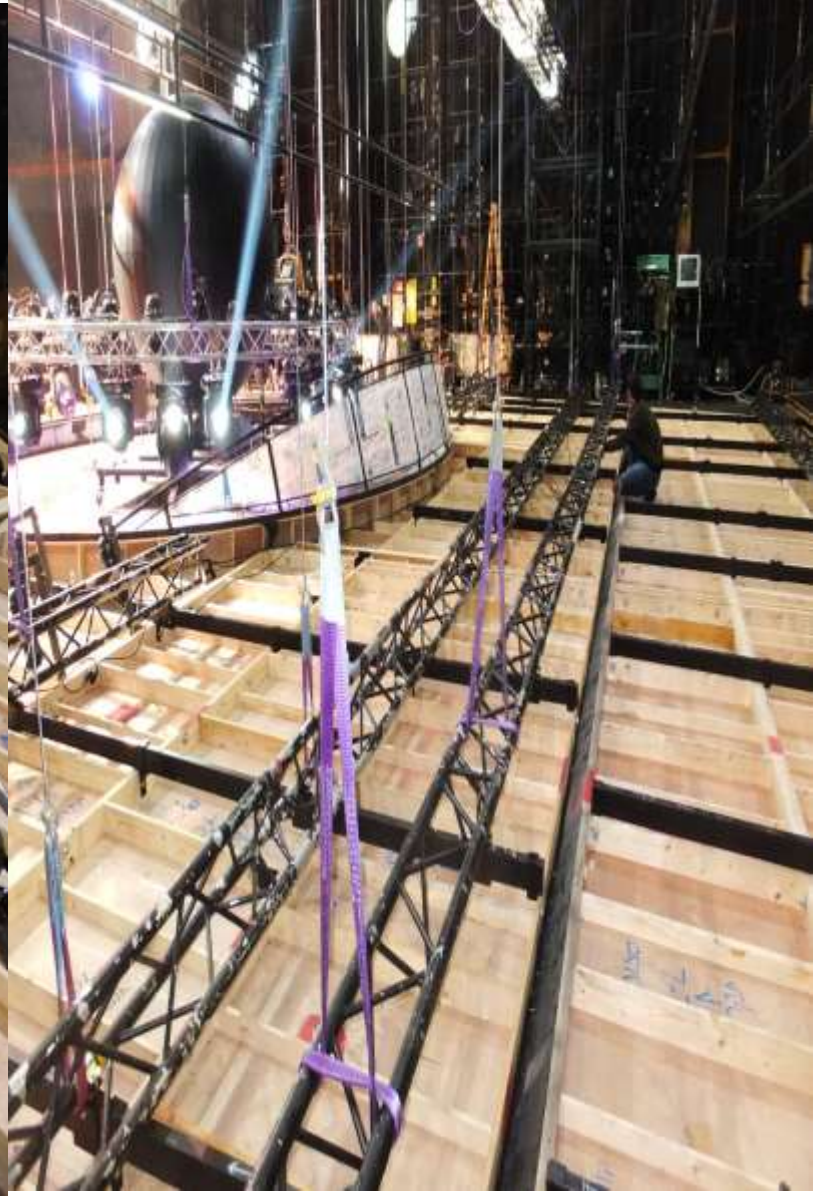


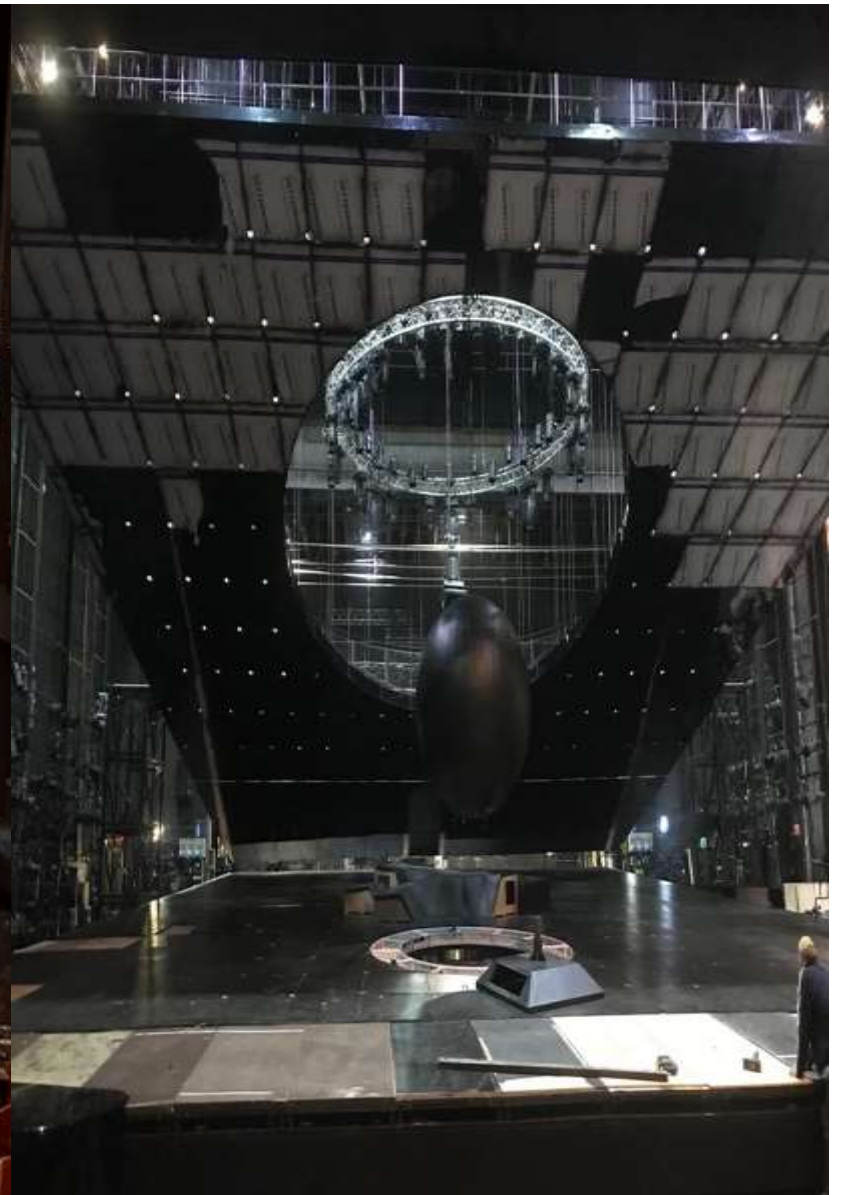


Yossi Zwecker (C)

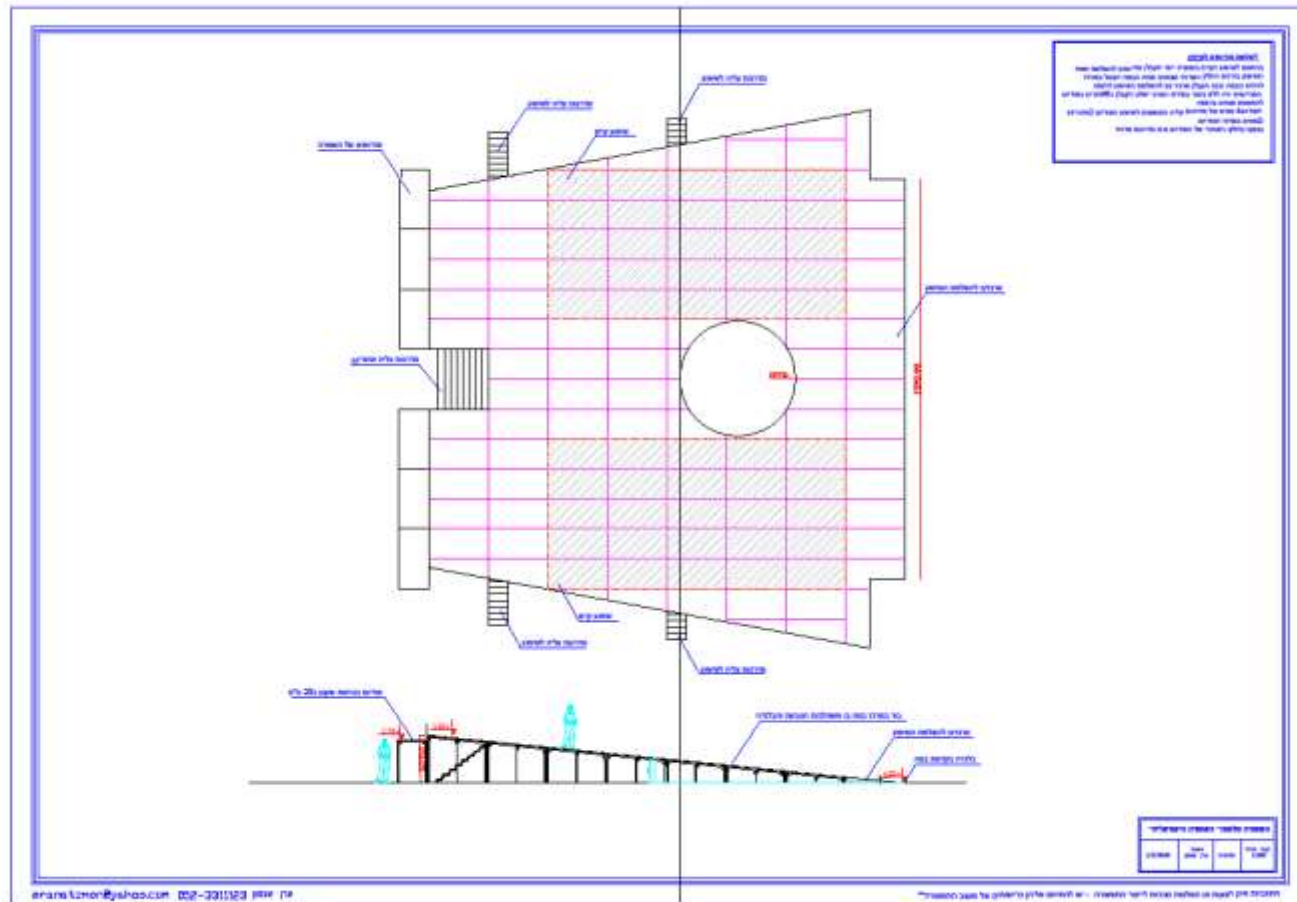
ceiling







Rake and understage



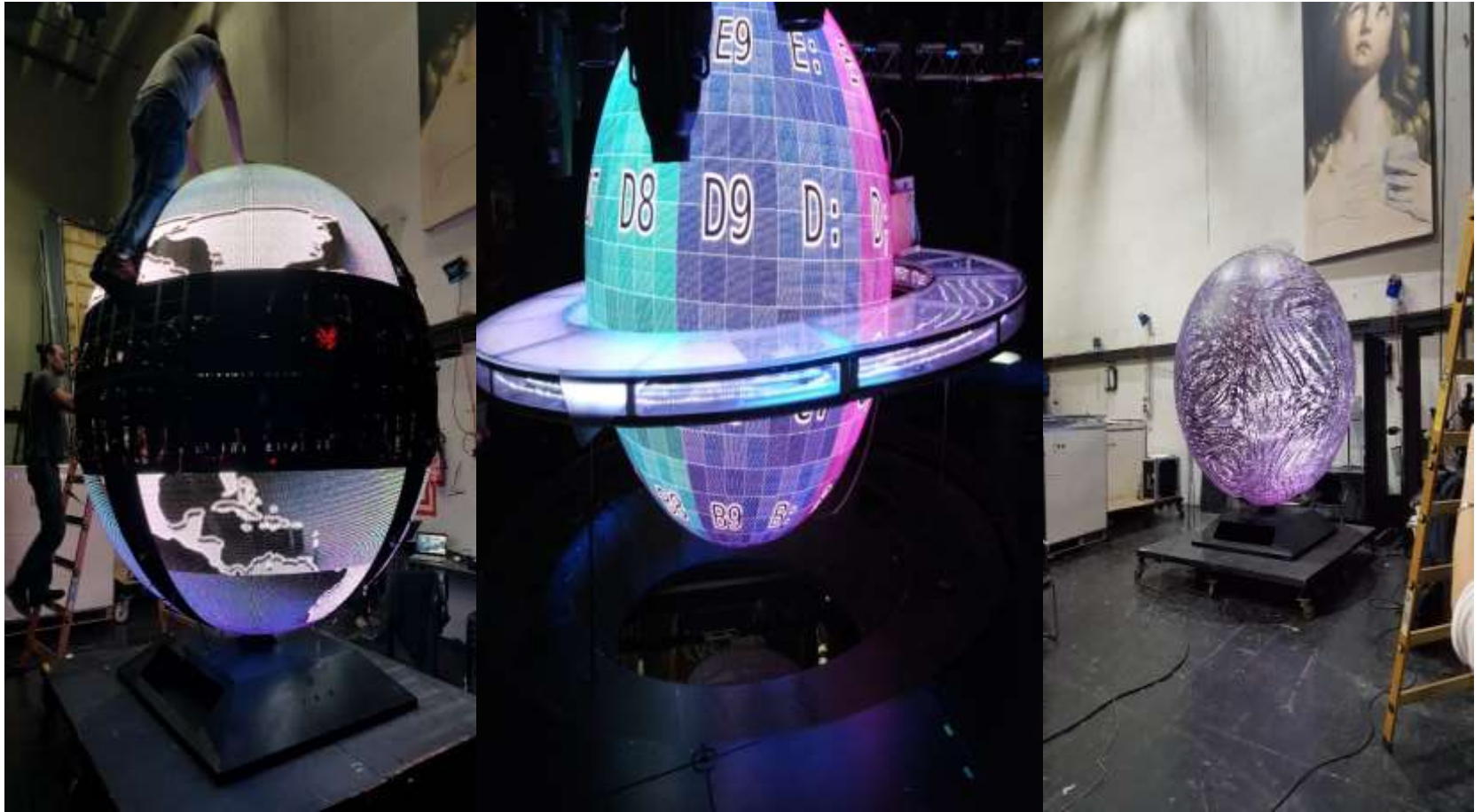




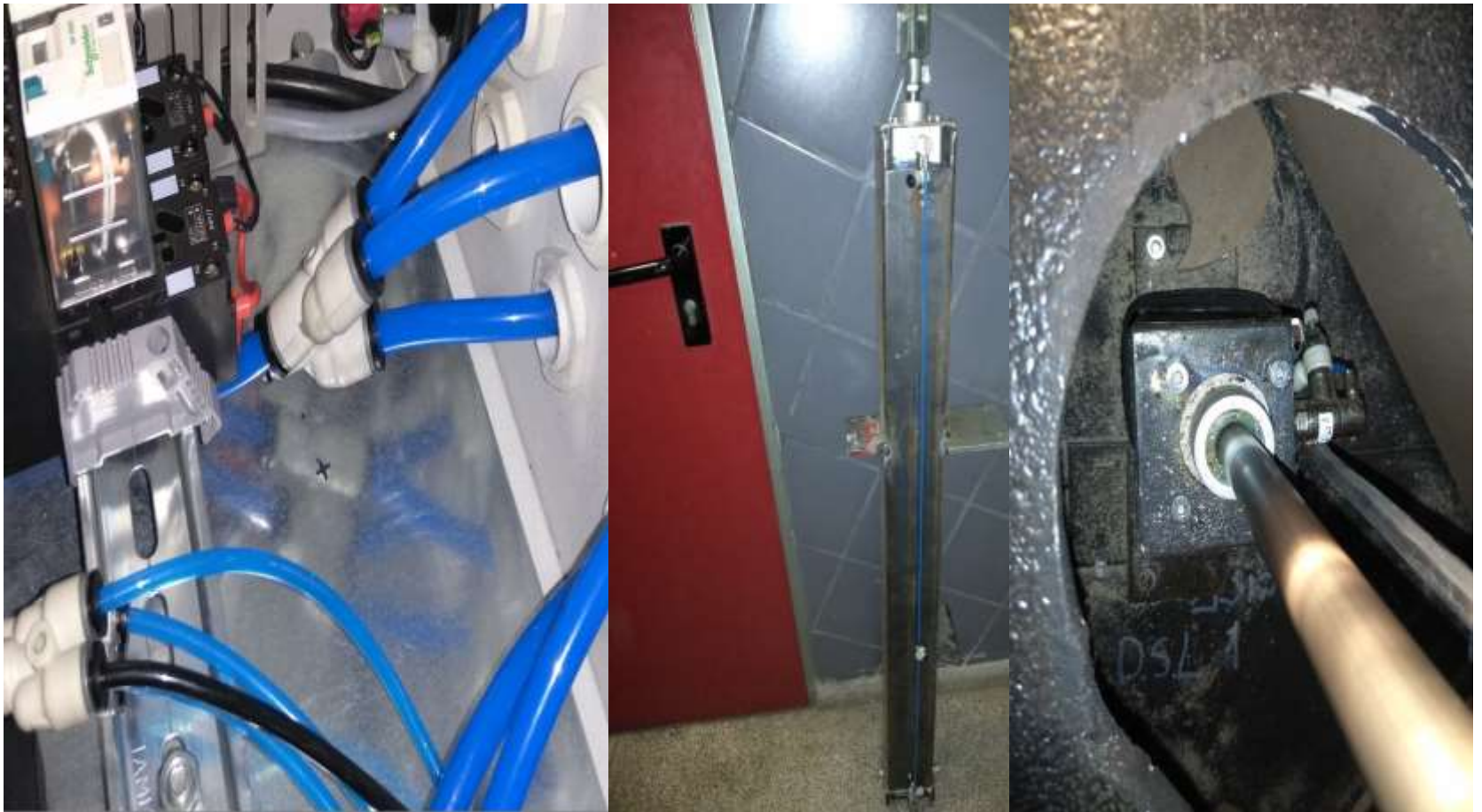
Sphere and lifting light table



Sphere – 2.5 meter diameter, 0.5 led screen



Air pistons, 1 meter move, 600 kg
each4



Bridge, 21 meter wide, 5 meter high,
no rails

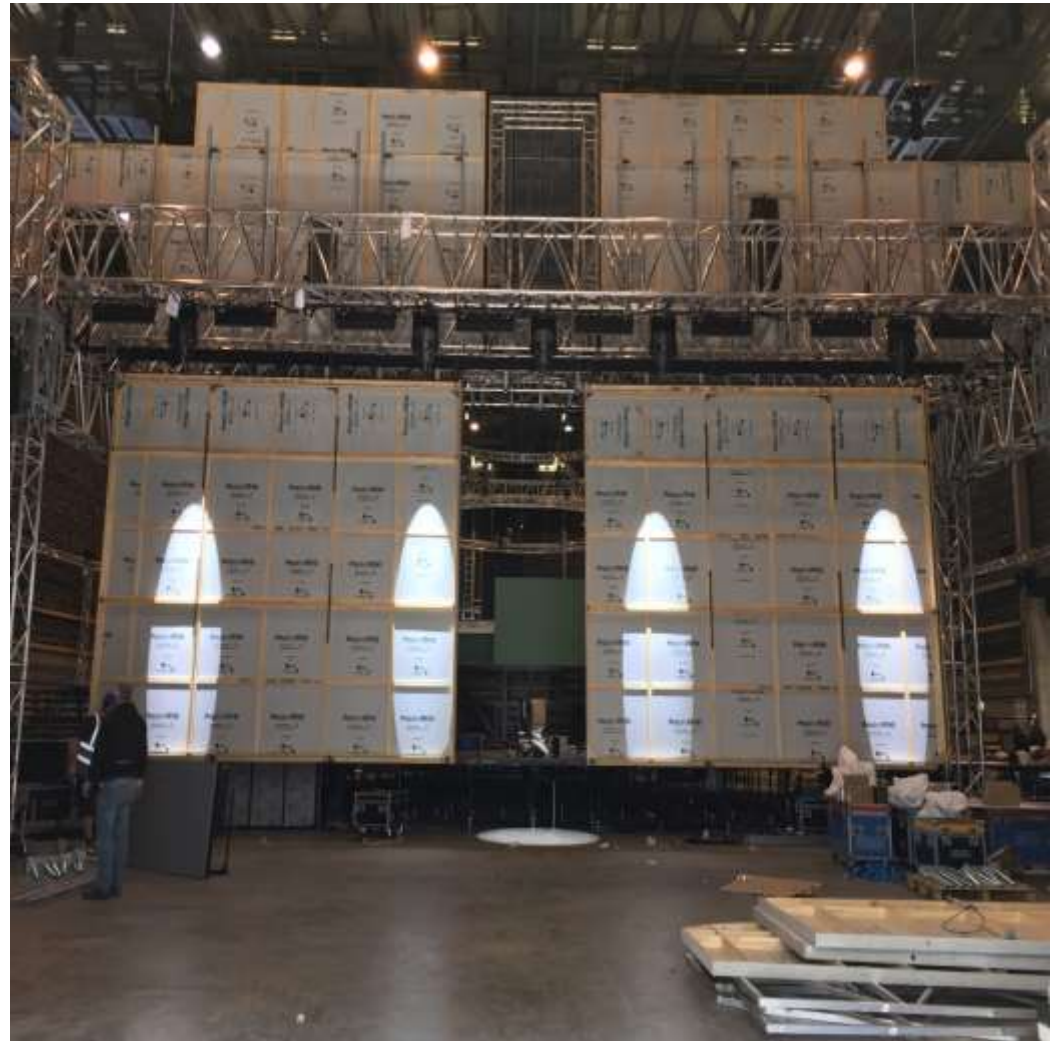




Set Elements

- Floor including sub floor, show deck, and handrails x 350 decks
- Flown cylinders x 2
- Mission control units x 2
- Mobile Staircase console units x 2
- Rocket Thruster units x 3
- Hanger doors and header
- Transport – 11 trailers for CTS elements alone
- Dollies and scenery carriers
- Fit up labour and paint call on site.

Fit up at Pinewood



Rocket Thruster units



Commercial partners

- **Weld-Fab Stage Engineering Ltd.**
- **Tel: 01953 688 133**
- Wild Creations
- Tel: 02920 090555
- **Les Jones Transport**
- **Tel: 07831 490636**