

# CAMERA CARS



# U-CRANE DYNAMIC

## AUDI SQ7

Flight Head Mini 4

Fully road legal

2x SmallHD 13" Director/DP Monitor

6x Intercom Sets

Rain Deflector on request

Zoom Motor

12/24V stabilised camera power



# COMMAND VAN

## VW CRAFTER 5T EXTRA LONG

2x 30" OLED Monitor

Antenna mast mount

7+2 Seats

4x3m awning

5.5KWh aux battery

Trailer hitch

3KW sinus inverter  
230V

Roof AC 1000W

20x 14V 4pin XLR  
1000W

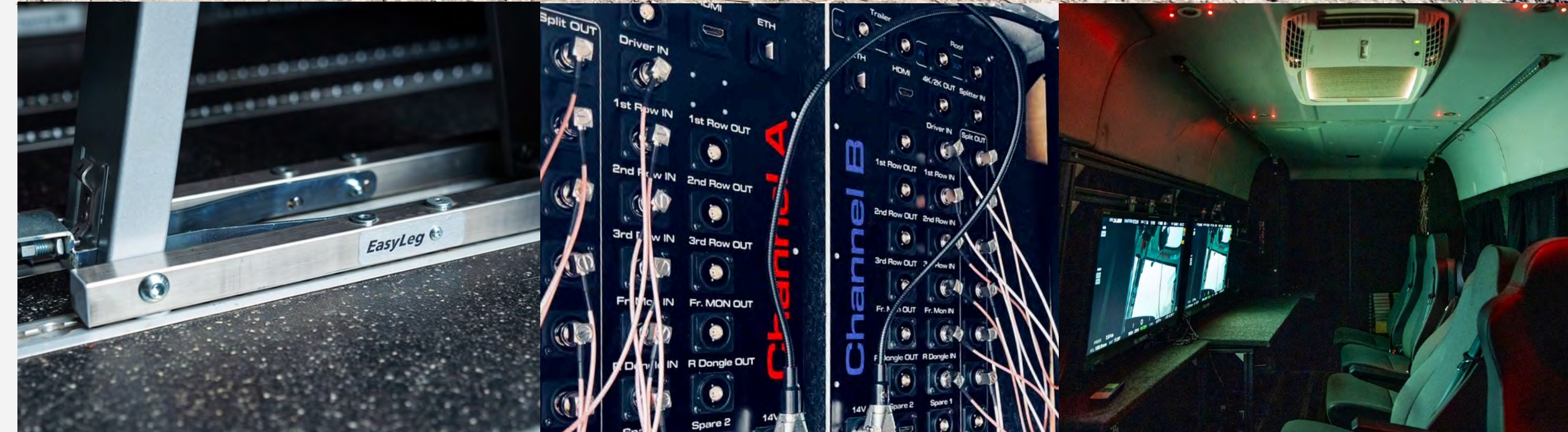
Additional engine AC  
compressor

6x 28V 3pin 360W

Parking heater

Roof Rack with cable  
slot

3G BNC patch bay



# PLATE RUNNER

## VFX CAMERA CAR

Built for 360° Camera arrays

Height adjustable camera Mitchell mount

Vertical shock absorber

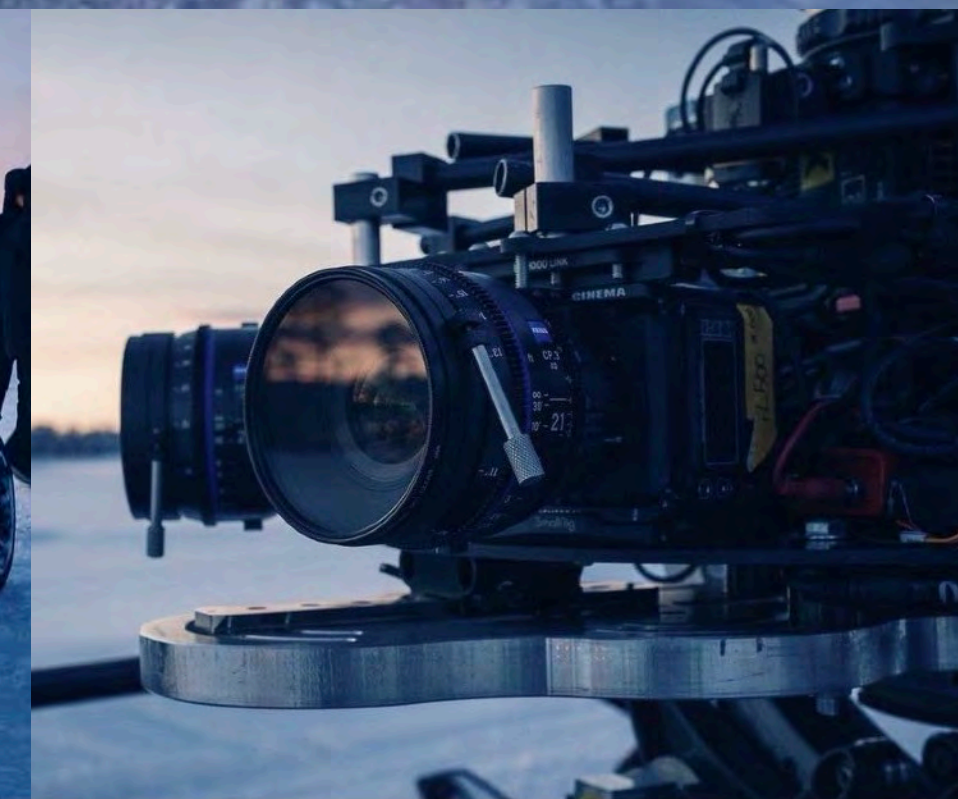
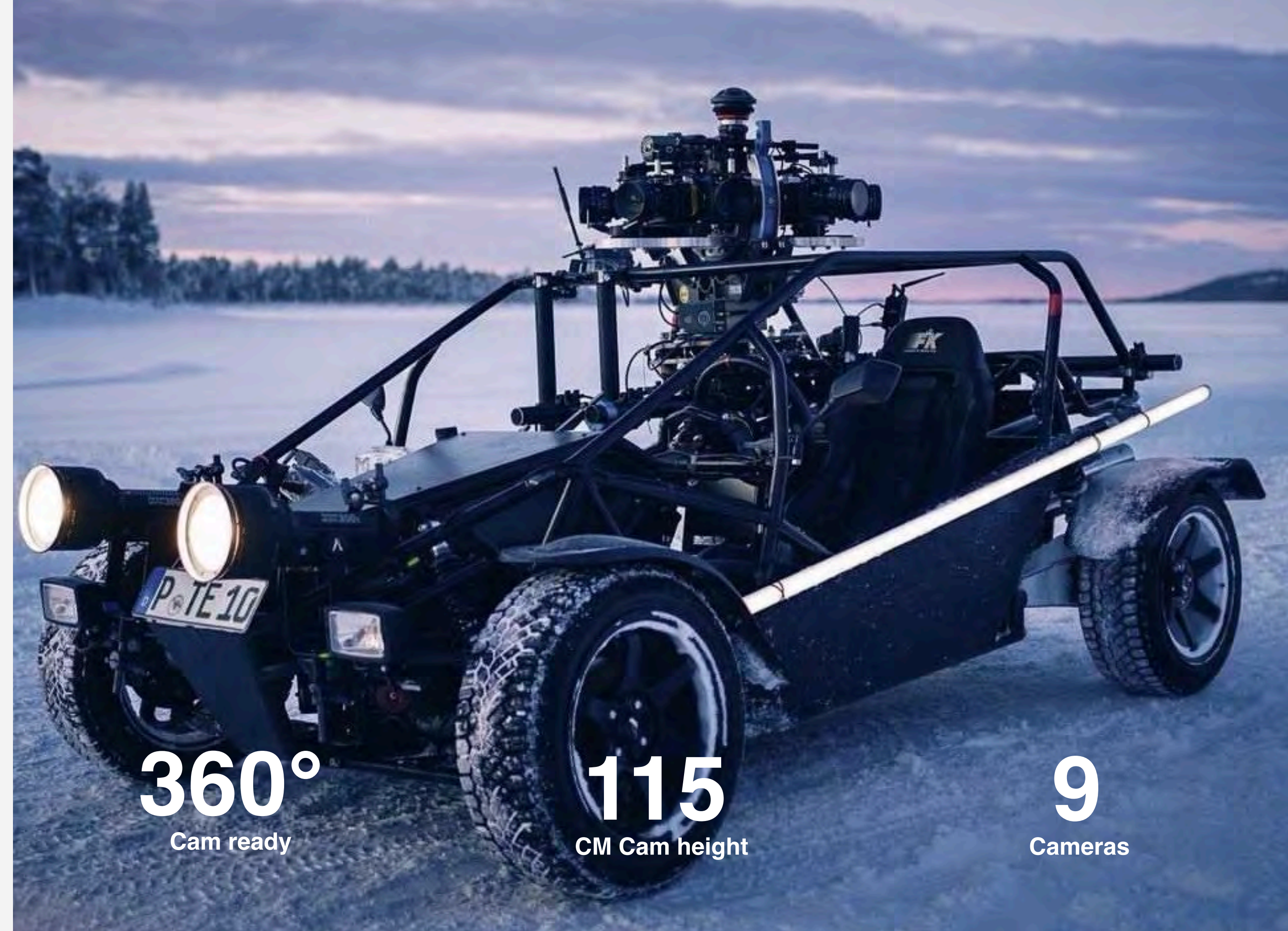
Stabilized or non-stabilized arrays

Adjustable suspension

Ideal for LED Studio plates

Road legal

Off-road tires with spikes for Ice on request



# PLATE RUNNER 2

## VFX CAMERA CAR

Built for 360° Camera arrays

Height adjustable camera Mitchell mount

Vertical shock absorber

Stabilized or non-stabilized arrays

Adjustable suspension

Road legal with cameras attached



**360°**  
Cam ready

**105**  
CM Cam height

**9**  
Cameras



# U-CRANE 6

## MERCEDES AMG PLATFORM

Flight Head 6 Stabilized head

Allows full payloads

2x SmallHD 13" Director/DP Monitor

8x Intercom Sets

Rain Deflector on request

Zoom Motor

12/24V stabilized camera power



**7.5**  
M MAX ARM

**500**  
HORSEPOWER

**40**  
KG PAYLOAD



# LOW LOADER 3

## MAN SEMI TRUCK

Full air suspension

Remote controlled Dolly / 250KG Payload

25kVA power supply

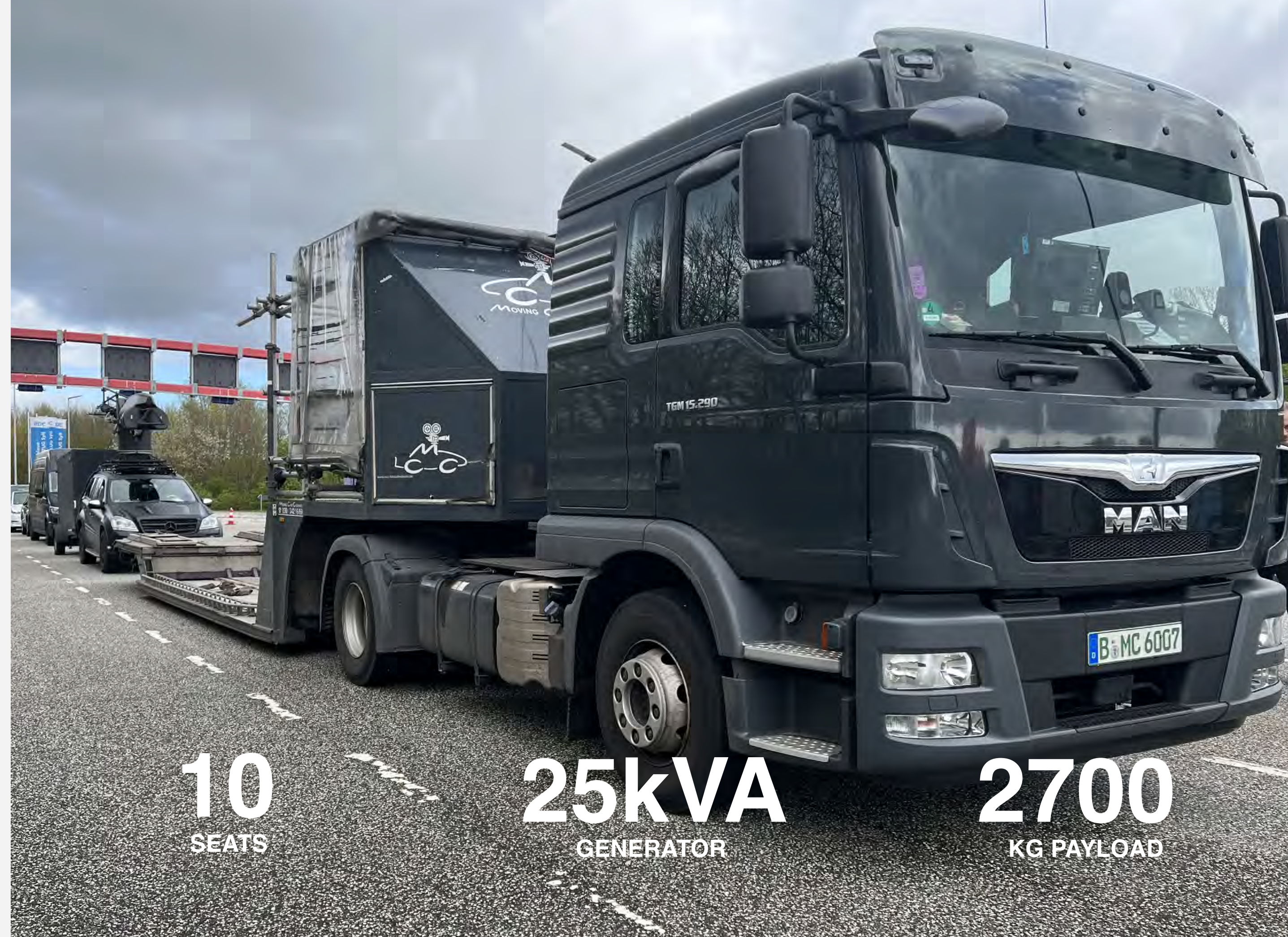
Carries cars up to 5.3m long with use of dolly  
and 5,5m without up to 2700KG

Up to 10 pax seats

16,10m length, 2,65m width

Wide load permit (3m) for Germany

No further special permission needed within  
Berlin



# LOW LOADER 2

## MB SPRINTER

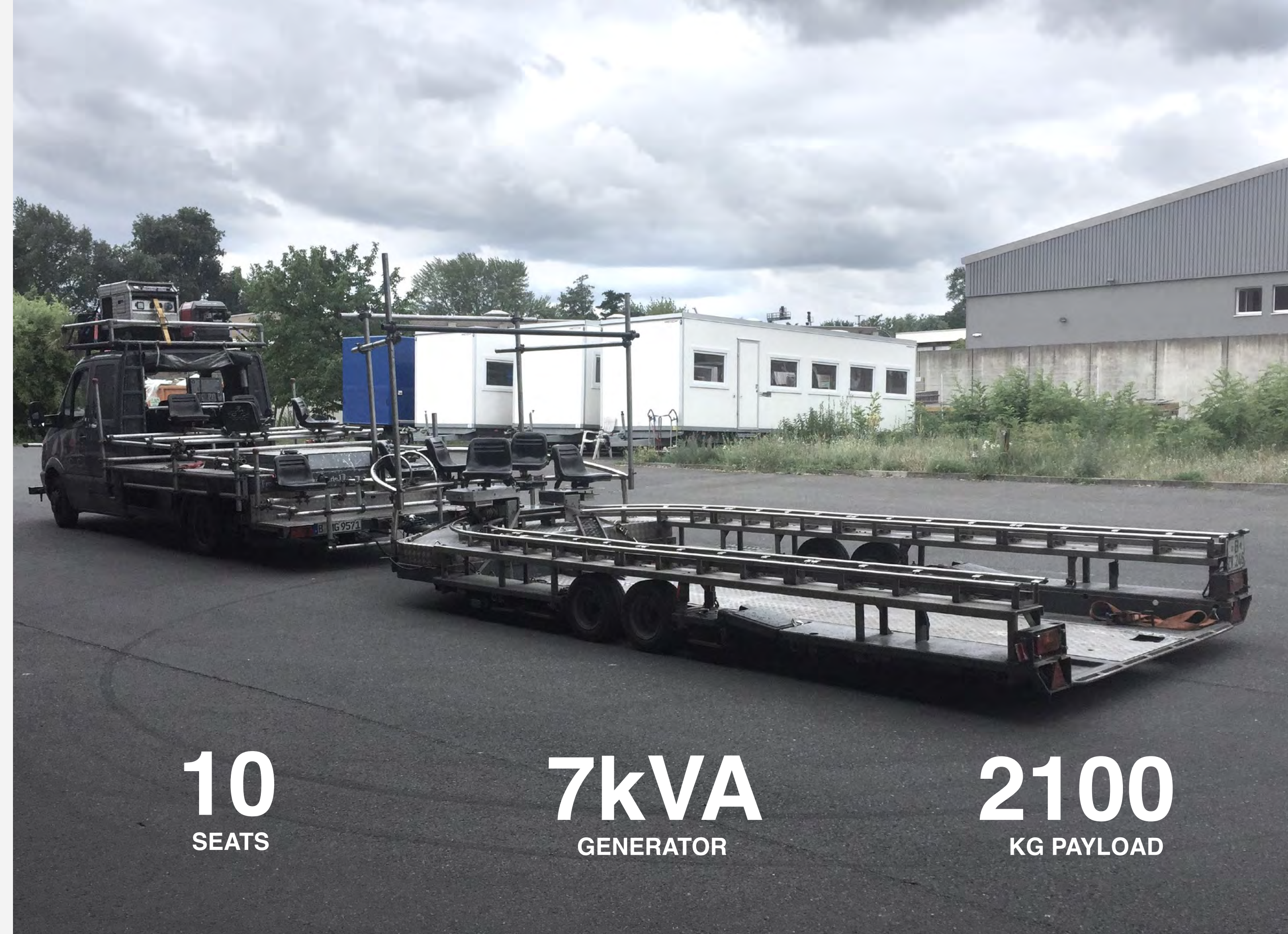
Remote controlled Dolly / 250KG Payload

fits cars up to 1,92 m width

7kW Genny on board

3,2 L Engine 190 HP

Tow Vehicle with Air suspension and automatic transmission



**10**  
SEATS

**7kVA**  
GENERATOR

**2100**  
KG PAYLOAD



# MERCEDES GL CAMCAR

## VARIOUS

Off road/On road capabilities

Adjustable air suspension

mounting options on the roof, front and back of  
the car

up to 6 seats in the car

Fully road legal with cameras attached

24V/12V Power distribution



# SPEED CAR

## AUDI S8

Various mounting options and use cases

4 wheel drive

Worlds fastest U-Crane Car

760 BHP, V8 twin turbo engine

road legal

24V/12V Power distribution



**5**  
SEATS

**726**  
HORSEPOWER

**290+**  
KMH TOP  
SPEED



# U-CRANE DYNAMIC

## PORSCHE CAYENNE TURBO S

- BASED IN CAPE TOWN -

Flight Head Mini 4

Integrated shake generator

Off Road Tires / Capabilities

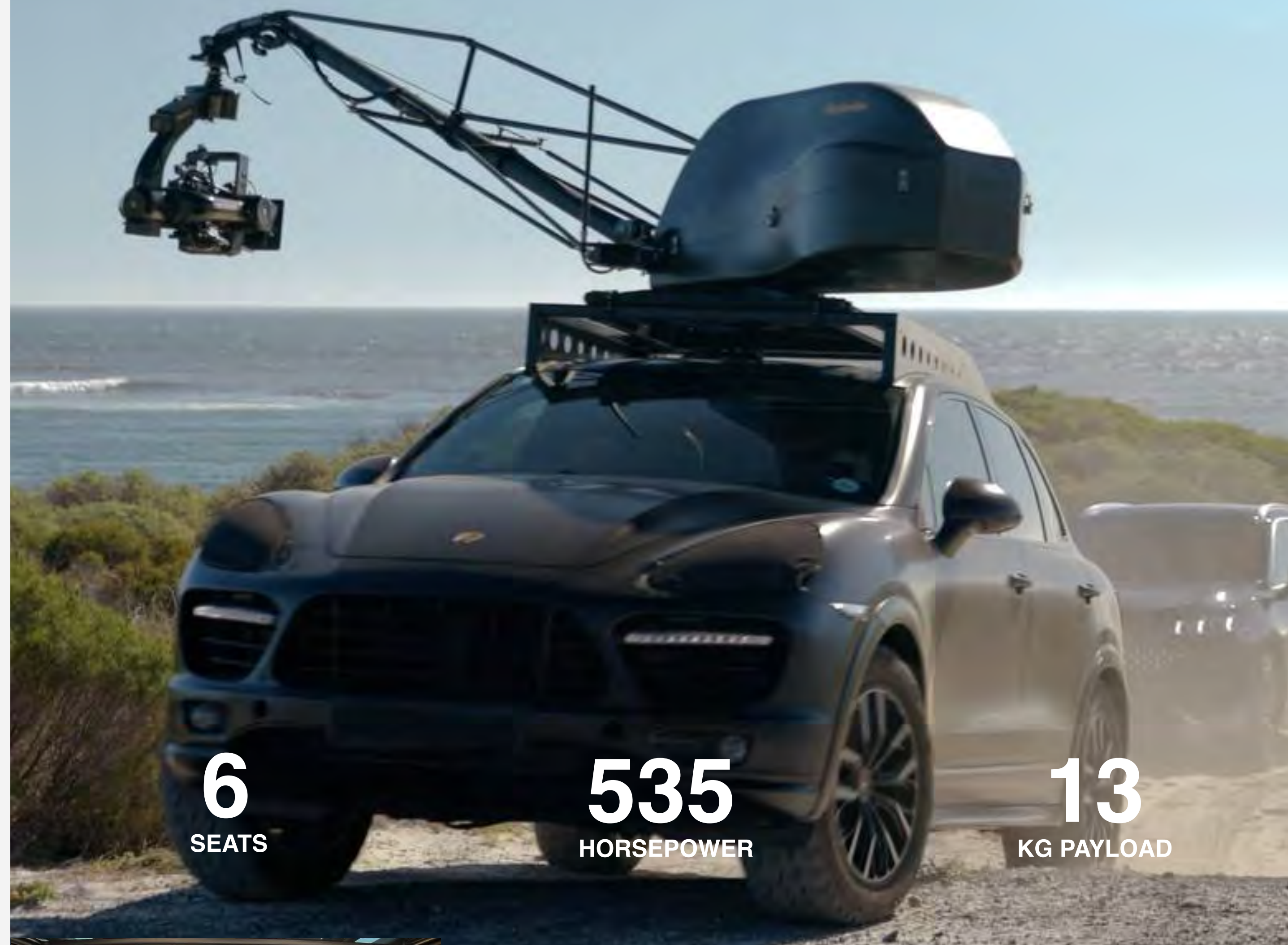
2x SmallHD 13" Director/DP Monitor

6x Intercom sets

Filmotechnic ZERO RD Rain deflector optional

Integrated zoom motor

12/24V stabilised camera power



**6**  
SEATS

**535**  
HORSEPOWER

**13**  
KG PAYLOAD



# VIRTUAL PRODUCTION

3E



# MULTI CAMERA ARRAY

ARRI Alexa Mini LF, RED Raptor and RED Komodo 3, 6, 8 & 9 camera multi arrays

Toe in and Toe out, vertical and horizontal configurations

Hard mounted or stabilized options

Various different lens options available including 220 degree lens for top camera

LiveStitch for on set instant dailies previews

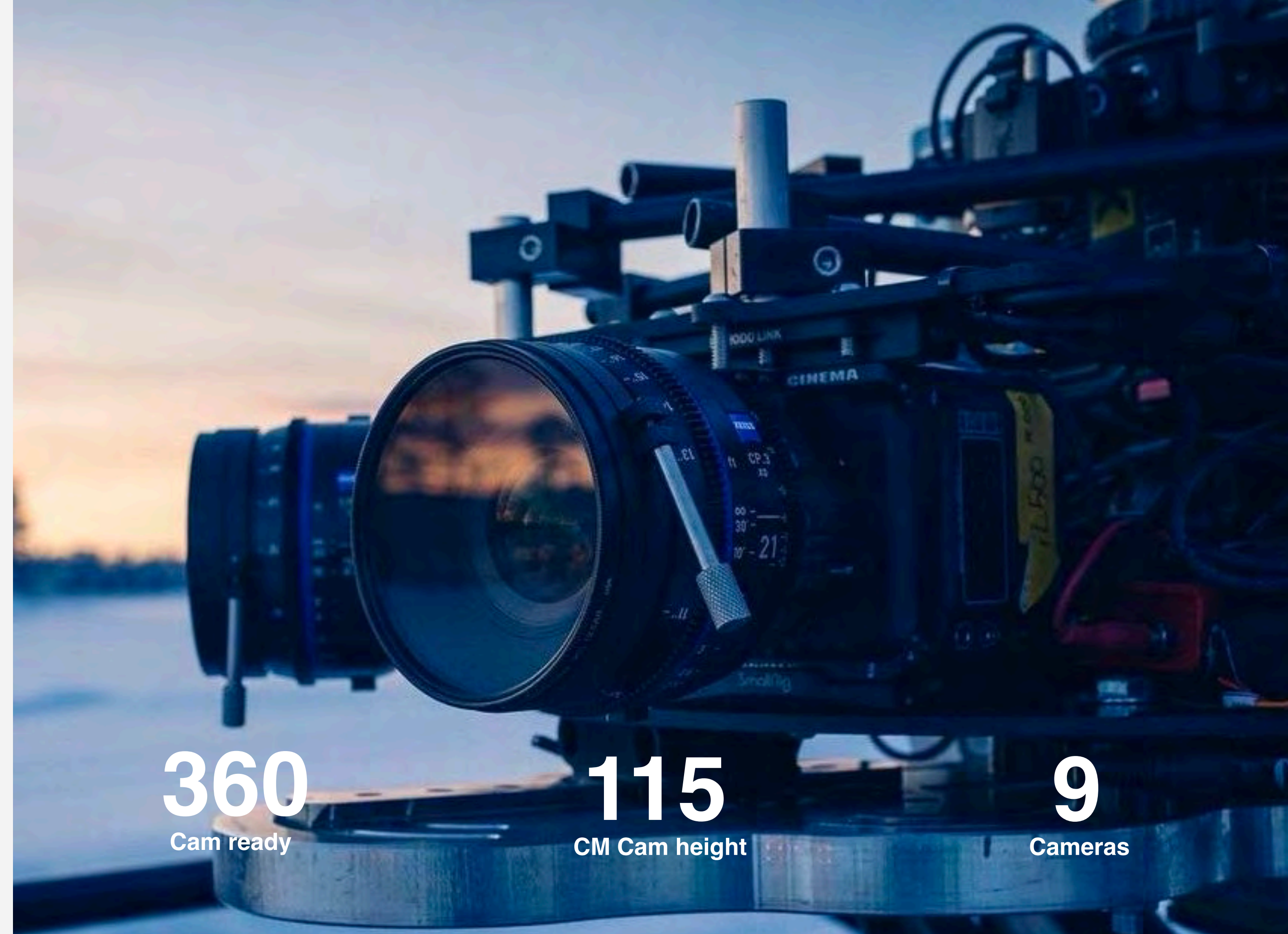
Lens Control System

Multicam Control System

Custom timecode and genlock sync distribution

Custom, in house array design and build

Arrays options for vehicles, boats, drones and helicopters



**360**  
Cam ready

**115**  
CM Cam height

**9**  
Cameras



# DIGITAL WORKFLOW

## DATA MANAGEMENT + STITCHING

High speed data wrangling stations to handle multi camera arrays

Live stitching video system

Instant stitched dailies

360° panorama stitching & rendering

Post stabilization & color grading

2D retouches & VFX

Final delivery to any LED volume

LTO backup



# DIGITAL WORKFLOW

## EDITING + GRADING SUITE

24" reference monitor

55" client monitor

Mac / Windows workstation

25G SFP+ Ethernet

32TB ultra fast studio memory

DaVinci Resolve pro, Premiere CC software

Tangent Element grading panel

18% gray color paint

6500K room lighting

Climate control



AERIAL

3E



# HELICOPTER LONG LINE RIG

## THE FLYING ARRAY

Long Line Pod with active positioning Rotor

Easy take-off and landing process

LIDAR ground distance sensor

Multi-camera and single-camera platform

4kWh on board power (14/28V)

Internal Power distribution for Pod, remote head  
and camera(s)

Easy installation on any helicopter with cargo hook

No STC needed

60Kg camera payload (up to 12 cameras)



# DIGITAL UNIT

3E



# DATA WRANGLING & ON SET DIT

Data- & metadata-management

Documentation & reports

Footage & backup tracking

Live look creation & LUT management

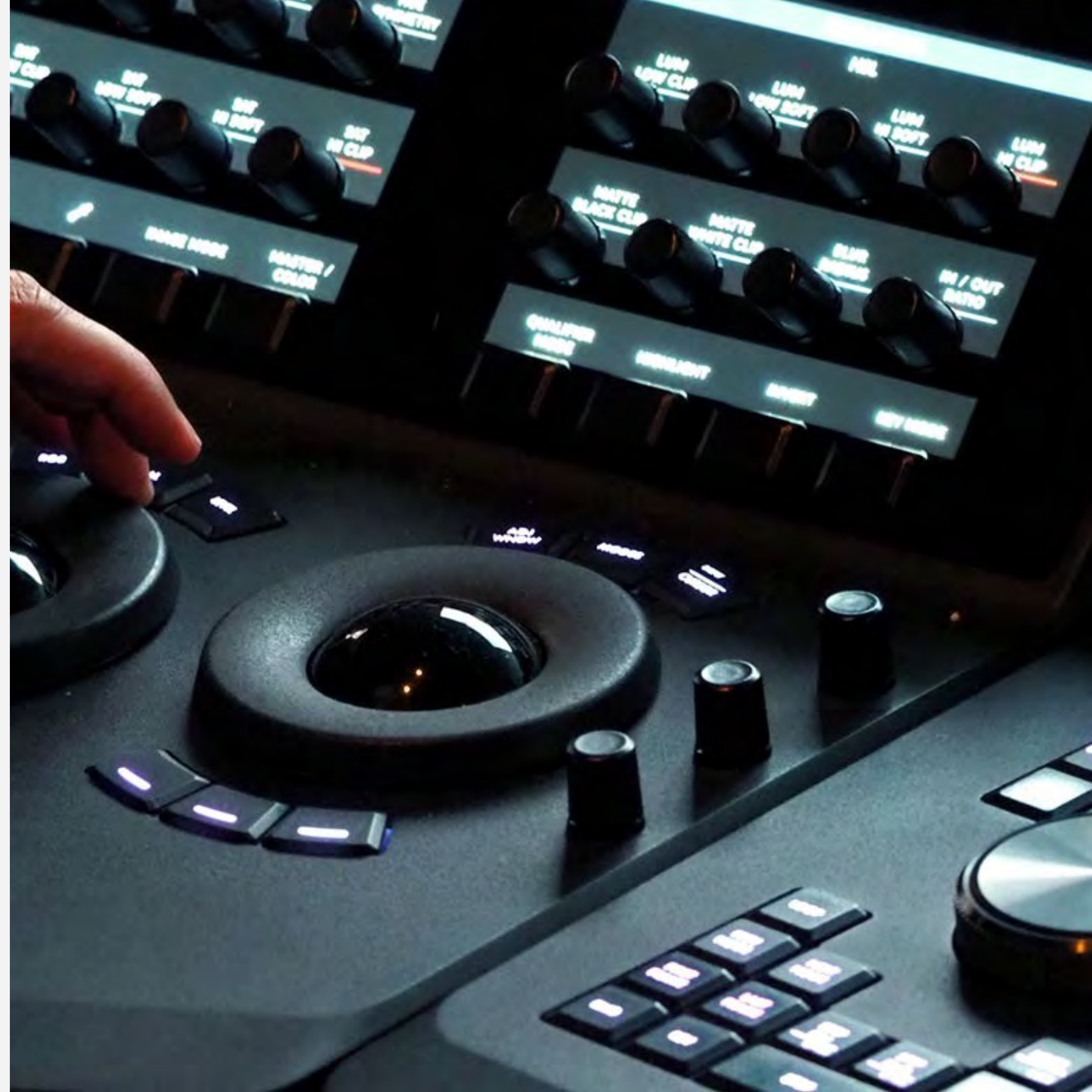
Visual inspection / live quality check

Tailored & scalable solutions

Studio requirements & standards compliant

24h-turnarounds

Workflow consistency



# DAILIES LAB & WORKFLOWS

Workflow development

Full QC & quality reports

Look management & dailies grading

Sound check & sync

Transcodes for editorial & dailies

Uploads to editorial / dailies platforms

Archiving on LTO



# VIDEO PLAYBACK & DIGITAL VIDEO ASSIST

Qtake / Vantage PSU4 & Ovide Smart Assist

Class I & HDR monitoring

Video Command Van

Wireless transmitters & receivers

Ultra long range transmission

On- / offset streaming solutions (E-VPN)

5G/LTE & Starlink

Onset wifi

Team intercom solutions with up to 30 headsets



# VFX & VIRTUAL PRODUCTION

## END - TO - END

Virtual production consultancy

Background plate production  
Car & aerial plates

Dedicated camera tracking platforms

Live stitch video system

Instant stitched dailies

Multi-camera arrays 180-360° panorama

360° panorama stitching & rendering

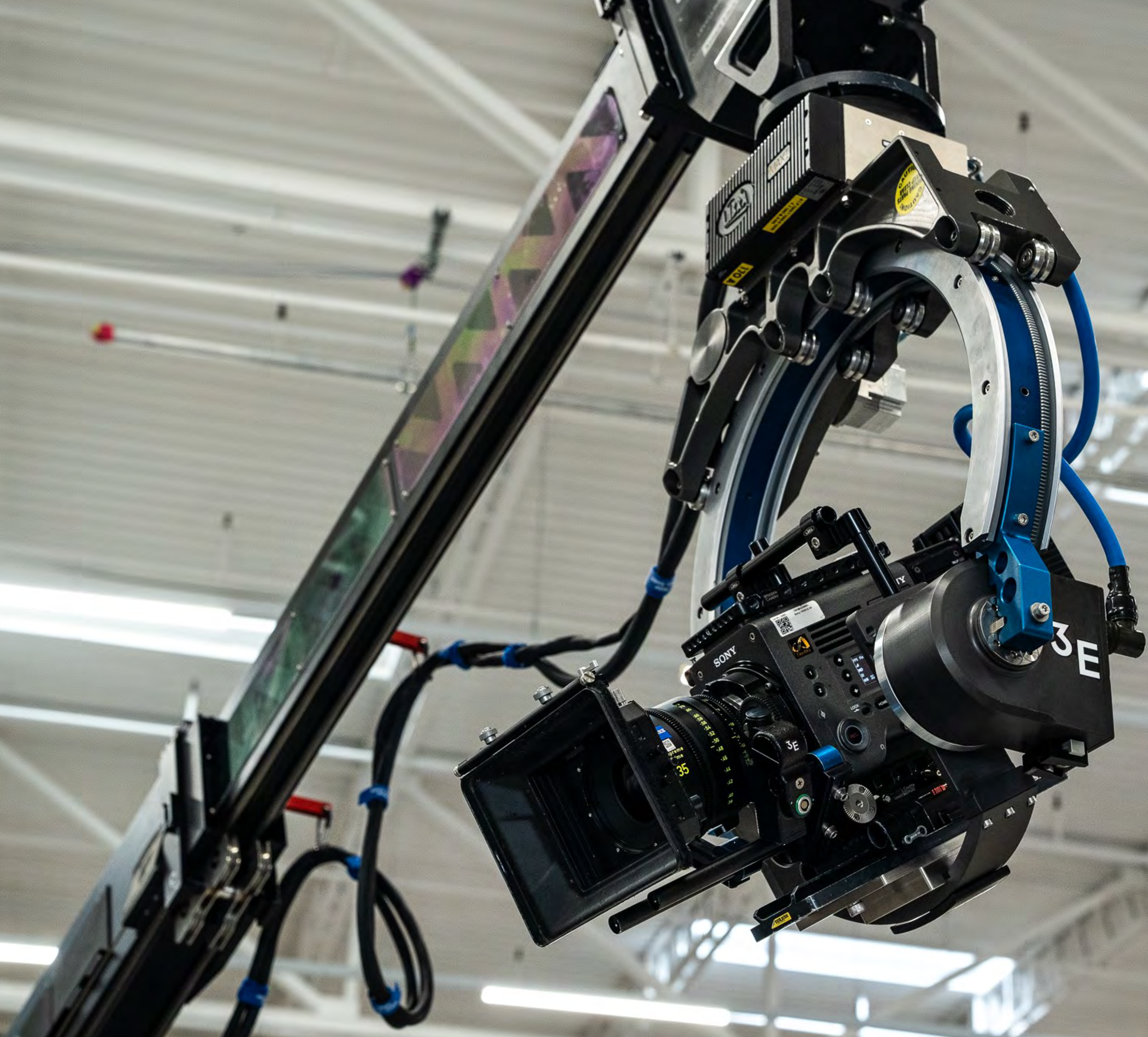
Post stabilization & color grading

2D retouches & VFX

Final delivery to any LED volume



# REMOTE HEADS



3E

# LIBRA HEAD L7

Underslung/Overslung/Matrix

Wired or Wireless

Wheels, Pan Bar, Joystick mode

Weight: 27Kg (no isodamp) / 31Kg (with isodamp)

Fits standard Mitchell fitting

Height 61cm, Width 51cm, Depth 21cm

Pan: 350 degrees

Tilt: 270 degrees

Max Pan & Tilt speeds: 220 degrees/sec

Roll: 30 degrees either side of horizon

Sealed for wet / harsh environments.

360 Roll axis on request



# FLIGHTHEAD 6

Limits / Hold position / Back pan compensation /  
Locked shot

Sealed for all weather conditions

Control: Joystick & Hand-wheels

3-Axes Gyro-Stabilized

Head Weight: 33kg

Pan Axis travels through 360° continuous slip ring

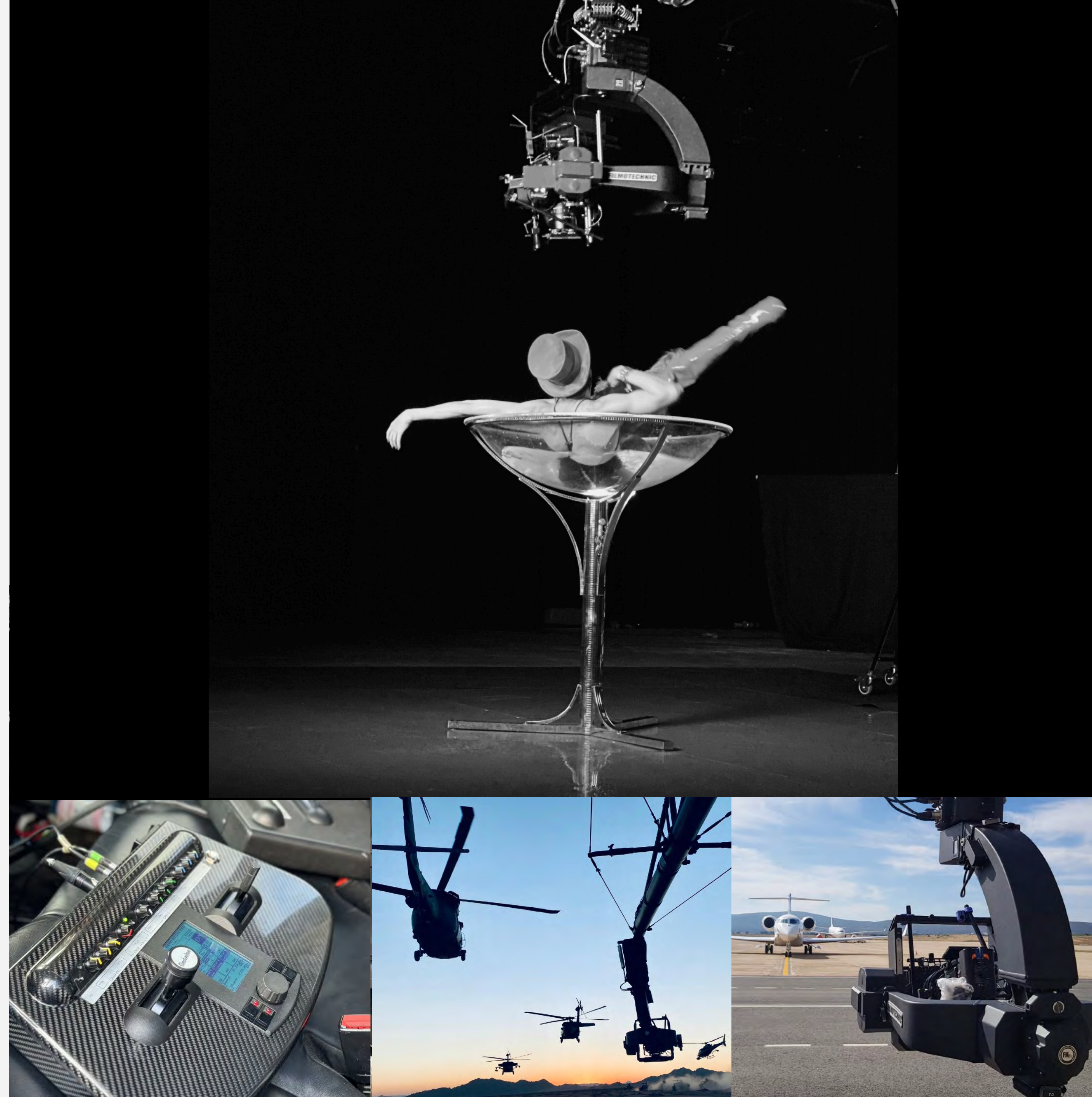
Roll Axis travels through 270° with auto horizon

Tilt Axis travels through 200°

Pan Speed, Roll Speed, Tilt Speed 120°/sec

RF Wireless (900mhz)

Payload Capacity: 121.25lbs (55kg)



# FLIGHTHEAD MINI 4

Height 0.64m

Width 0.49m

Length 0.68m

Tilt / Pan / Roll  $200^{\circ}$  /  $360^{\circ}$  /  $270^{\circ}$

Control: Joystick & Hand-wheels

3-Axes Gyro-Stabilized

Payload up to 15kg

Weight 11kg

Limits / Hold position / Back pan compensation /  
Locked shot

RF Wireless (900mhz)

360 Roll axis on request



# MINI SCORPIO STAB V

Underslung/Overslung

wired or wireless

Wheels, Pan Bar, Joystick mode

Weight: 20kg

Fits standard Mitchell fitting

Height 33cm, Width 33cm

Pan: 350 degrees

Tilt: 360 0 degrees

Max Pan & Tilt speeds: 180 degrees/sec

Roll: 60 degrees either side of horizon

360 nodal roll axis available on request



# NETTMANN STAB C

## THE BEAST

5 Axes Stabilized Head

Rock solid on any vibration level up to 500mm  
Lens

Built to carry 35mm Film camera with 1000" mags

Open structure system allows easy payload  
integration and lens changes within minutes

Digital auto-horizon (GPS support)

Reliable and stable under all circumstances



# KFX AURORA MINI

## 2 AX REMOTE HEAD

Versatile and powerful 2ax remote head

Weight: 9kg 20lbs

Payload: 25kg 55lbs

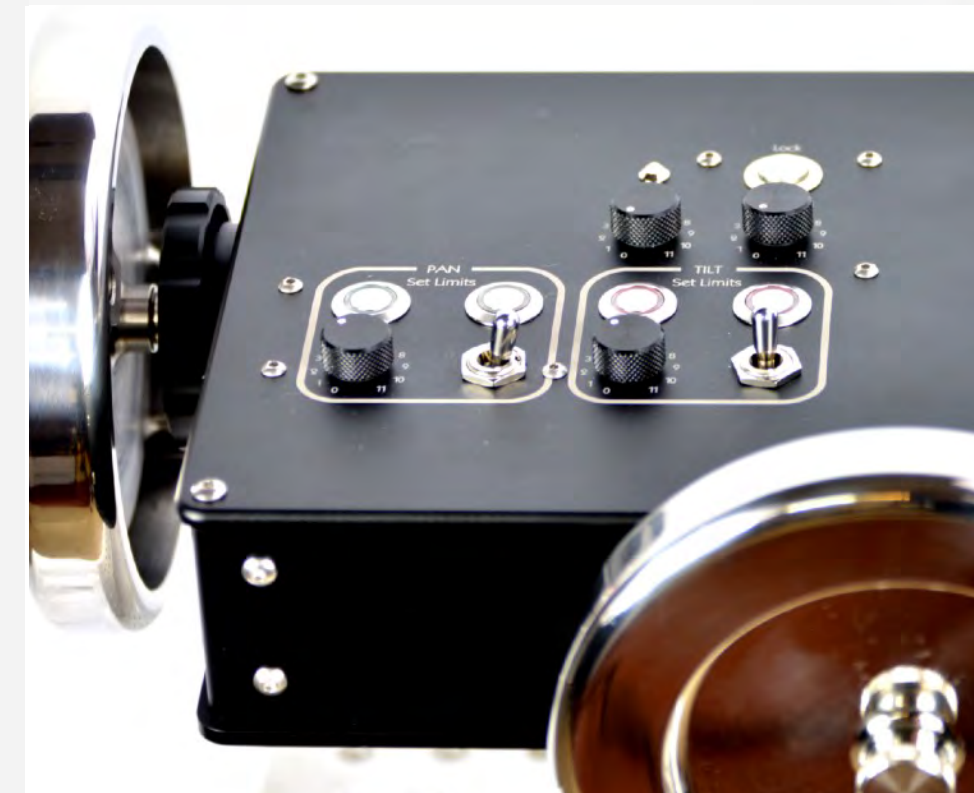
Speed: 120 degrees/sec

Rotation: 720 degrees

Power: 24-36V dc

Handwheels + Panbar + Joystick

Long range wireless system



# WIREFRAME



# LARA 3D

## WIRECAM SYSTEM

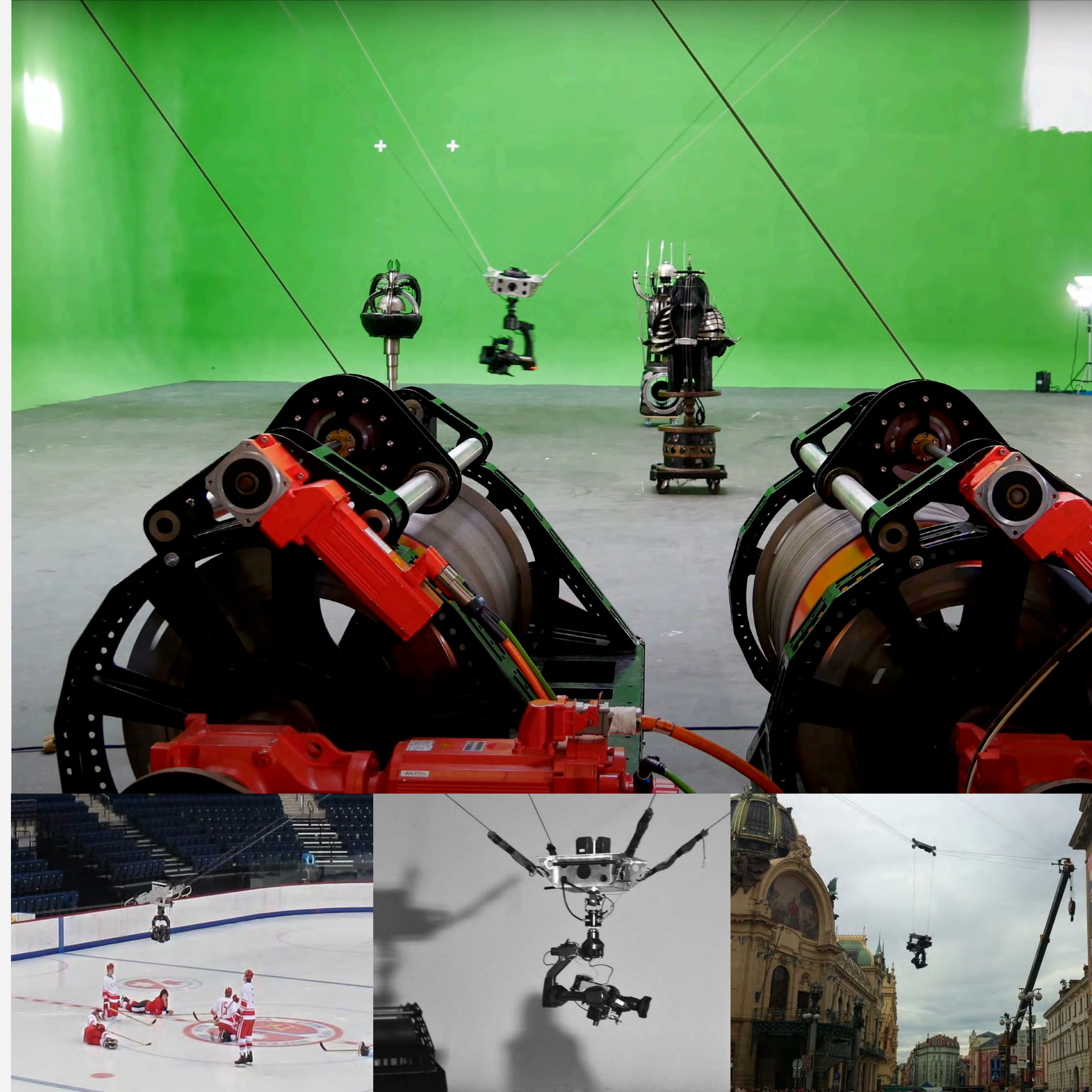
LARA 3D is a modular, wire-guided camera system.

Lara 3D winches are suitable for:

- 2-point linear movements (1-2 winches)
- 2-point camera-movements including height-changes (2-3 winches)
  - complex movements in **3D-space** (up to 4 winches)

LARA 3D winches meet all the requirements, for both long distance applications and narrow spaces.

Due to their modularity LARA 3D winches function like building blocks that can be fitted to the most diverse specifications .



# LARA 3D

## WIRECAM FACTS

The construction of a LARA 3D winch allows using it as a classical roll-on/roll-off winch with a driving unit for configurations comprising of load-bearing cables and revolving drive lines.

Depending on the on-set requirements, the performance of the system can be tuned to suit the weight of the flight-segment plus camera (up to 100 kg). Max speed of the system can be tuned up to 16m/s. The LARA 3D System is TÜV certified to handle both camera applications as well as stunt applications to fly performers or actors.

**LARA 3D**  
3D 4-Punkt Configuration



**LARA X**  
2 D 2-Punkt  
Classic Configuration

**LARA 3D**  
2D 2-Punkt Configuration



# LARA 3D

## WIRECAM KEY FACTS

### Key Facts:

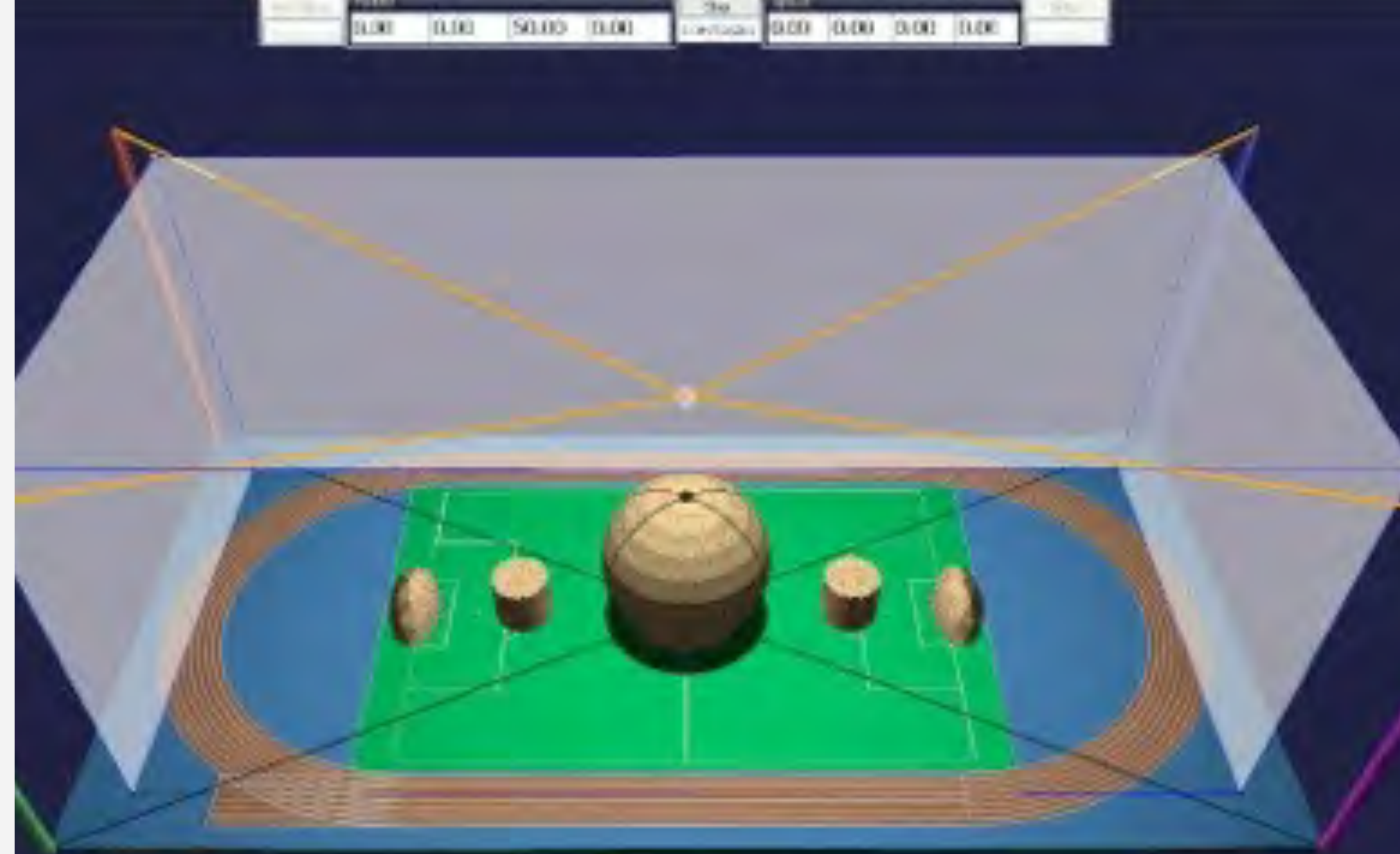
**Payload:** 100KG

**Speed:** 16m/s

**Accel.:** 5m/s(square)

**Max Pulling Force:** of one winch 3000N

**Max Flight Space:** 150m x 150m x 50m



# CUSTOM



# CUSTOM RIGGING

## SAFE & EASY

Remote controlled sliders in various length

Active Vacuum Rigs

MOD Truss

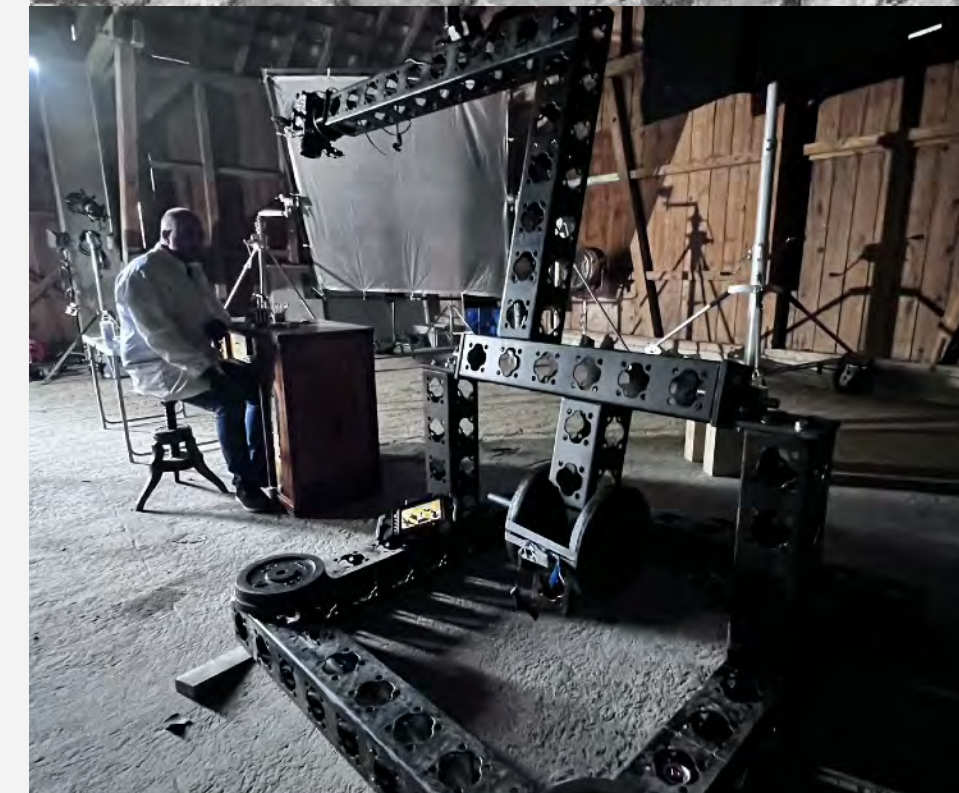
3/8 - 1" - 1.5" rigging kits

Combines with light weight remote heads

Toolkits for any type of vehicles

Special rigging cages for cameras

Custom designs for aircraft rigging



# WORKSHOP + CUSTOM BUILD

## METAL CONSTRUCTION & METAL WORK SHOP

Projects made from steel, stainless steel, aluminium, brass or copper – to last an eternity or only for the moment.

Turning, milling, forging, bending, cutting or welding of all kinds of metals and sheet metals are the strengths of our accomplished metalworkers.

We will find a perfect solution for every challenge



# PARTNERS

MOVIE CAM CAR

<sup>3</sup>ELEMENTS

 CINEAERO

stunt & wireworks  
**hae****er**

 CAMERA'S REVOLUTION



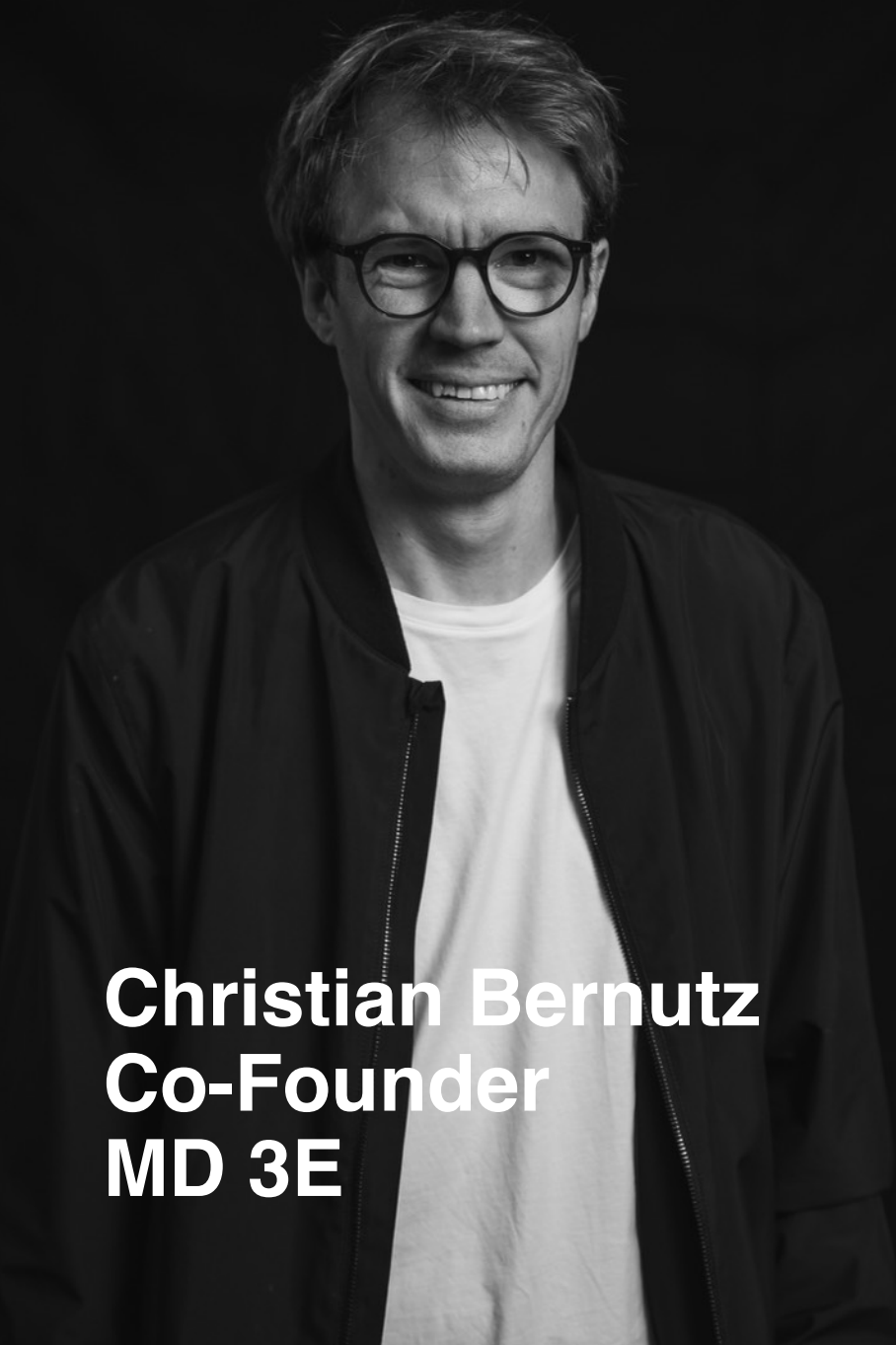


# TEAM

MOVIE CAM CAR



**Ralf Haeger**  
MD MCC  
Stunt Coordinator/



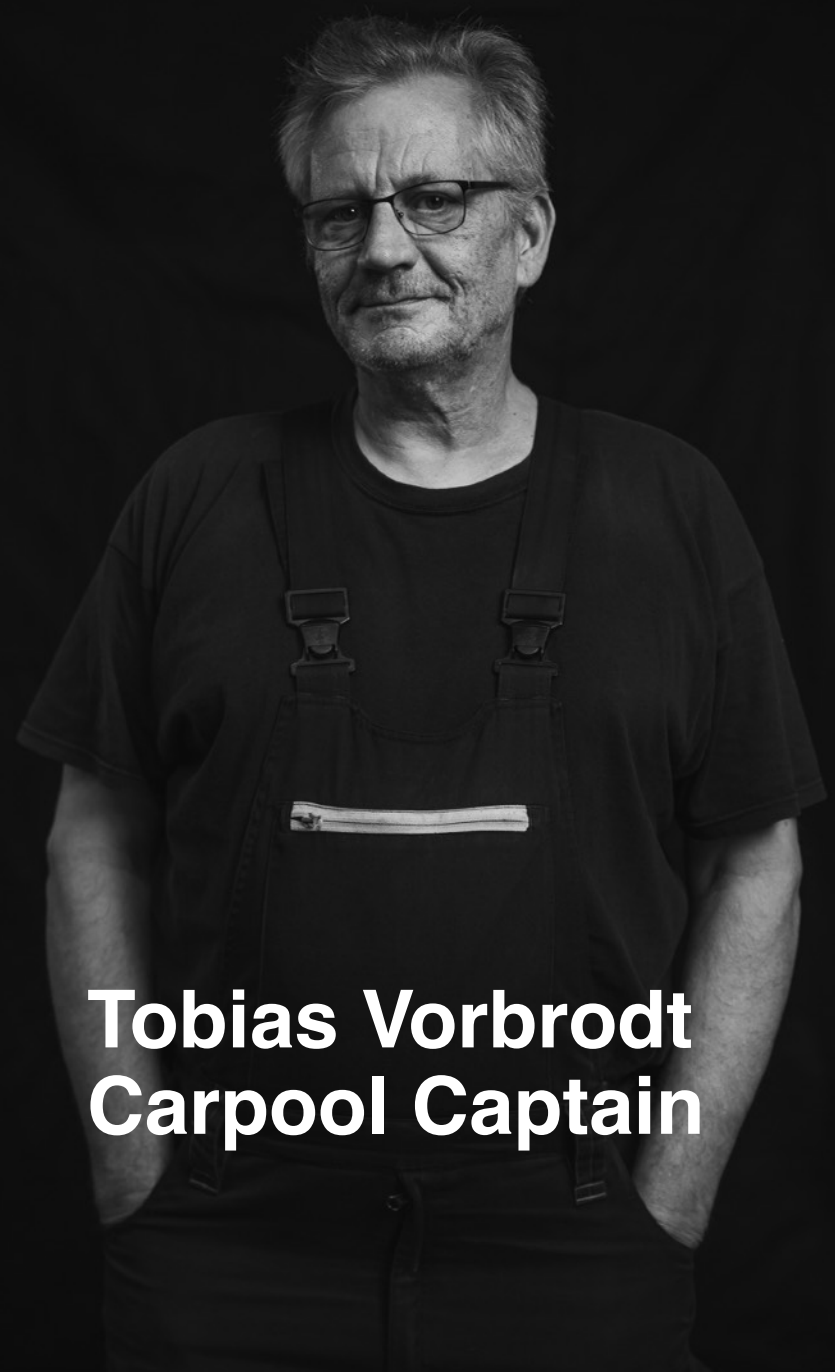
**Christian Bernutz**  
Co-Founder  
MD 3E



**Markus Kuballa**  
Co-Founder  
MD 3E



**Eugen Mai**  
Marketing, Social



**Tobias Vorbrodtt**  
Carpool Captain



**Uwe Dietrich**  
Head Technician Grip

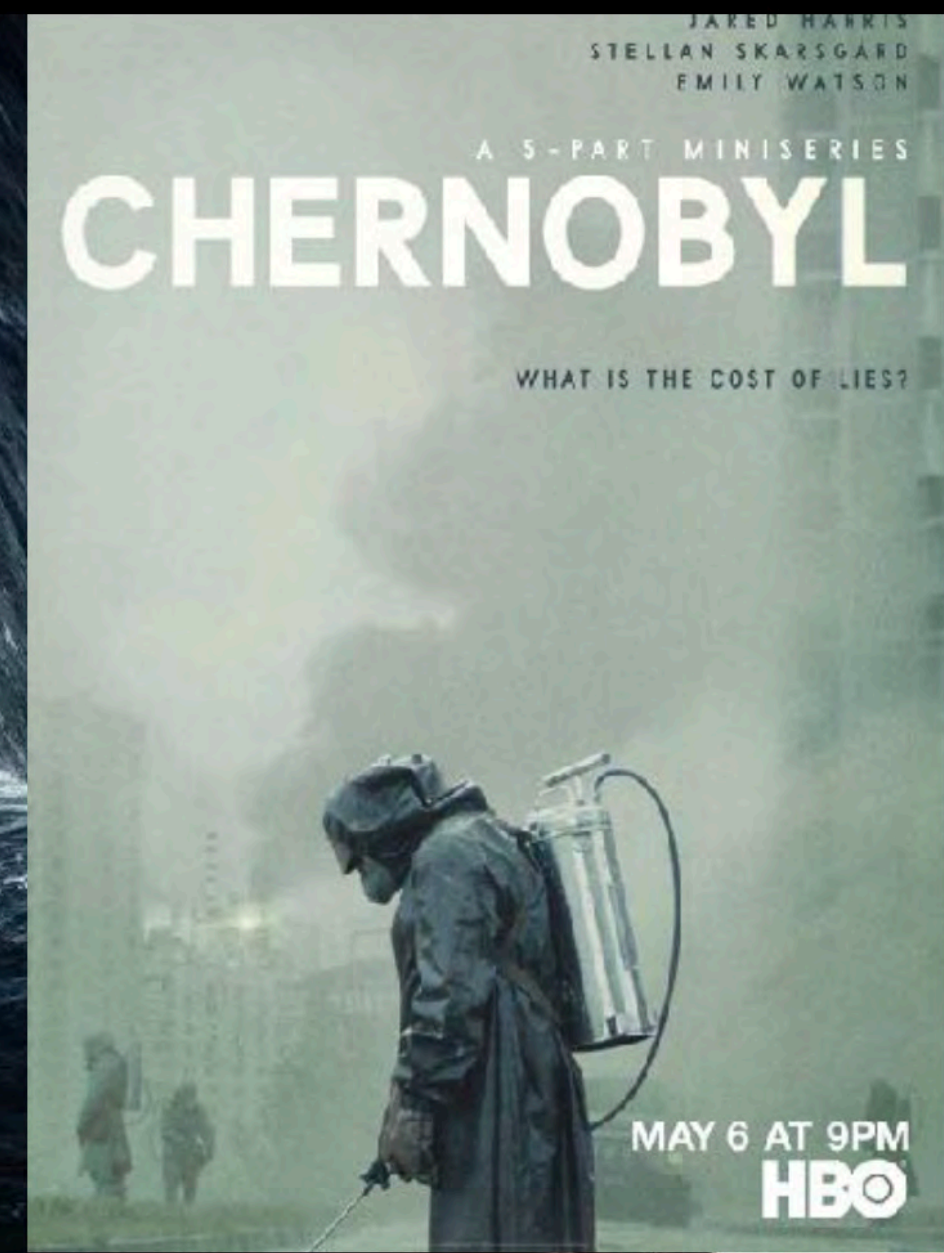


**Daniel Mock**  
Digital Supervisor



**Felix Witte**  
Head Technician

# EXCERPT REF.



# CONTACT



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