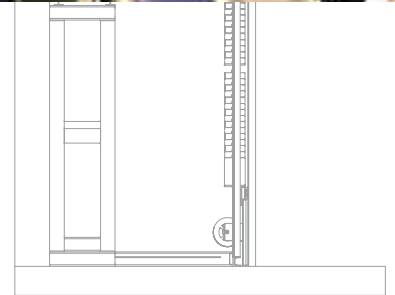
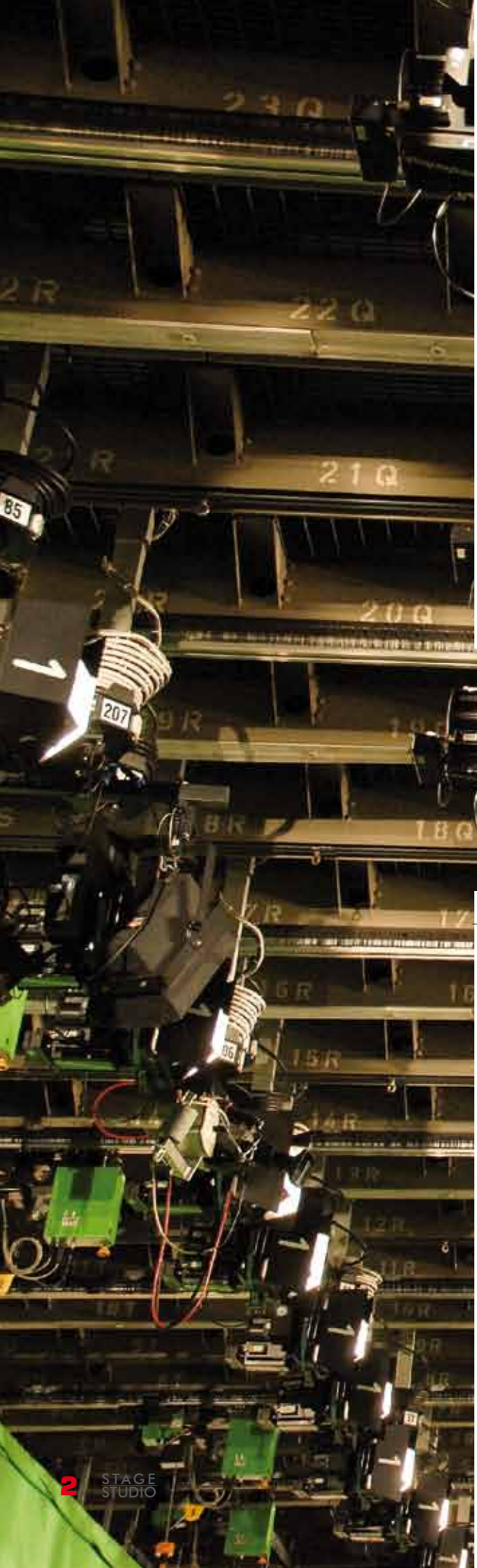


...about **STAGE + STUDIO**



# INDEX



The companies .....	Page	4 - 5
Studio techniques .....	Page	6 - 7
Stage techniques .....	Page	8 - 9
References.....	Page	10 - 11
Control and automation .....	Page	12 - 13
Consulting, engineering and installation services .....	Page	14 - 15

## The companies

The companies MTS Media Technical Systems s.r.o and Lastro Engineering GmbH both have many years of experience in the field of stage and studio engineering. Since May 2010 they are bundled under the roof of the MovieTech AG and now offer turnkey solutions and services: Consulting and planning are provided by the Lastro Engineering in Wuppertal, the products are manufactured by MTS Media Technical System and will be distributed via the MovieTech AG in Munich.

**MTS**  
Media Technical System

Film and television companies, theaters and opera houses all over the world trust in the quality of the long-established company **MTS Media Technical System s.r.o.** when furnishing their facilities. A high flexibility in product design and configuration permits great freedom in planning and allows finding right solutions for any project. Moreover, MTS products can be integrated into projects with different control systems. Due to the high product quality and precision, operations run smoothly and reliably and unwanted subsequent costs can be avoided. The MTS product range includes droparms, pantographs, lighting hoists, telescopes and trolleys. Dimmers and control systems complete the comprehensive accessories program.

**LASTRO**  
ENGINEERING

The **Lastro Engineering GmbH** supports you from the very beginning of a new project in order to find the best and most convenient solution for your needs. Hereby, unwanted costs and delays due to subsequent planning and re-fitting can be avoided. If required, the team of Lastro Engineering will also conduct installations – accurately and on time all over in the world. Project orders from some well-known clients such as the German public television stations ARD and ZDF, theatres like the National Theatre in Budapest, in Columbia or the Semper Opera House in Dresden as well as industrial plants in Shanghai, Mexico and Brazil attest the successful work.

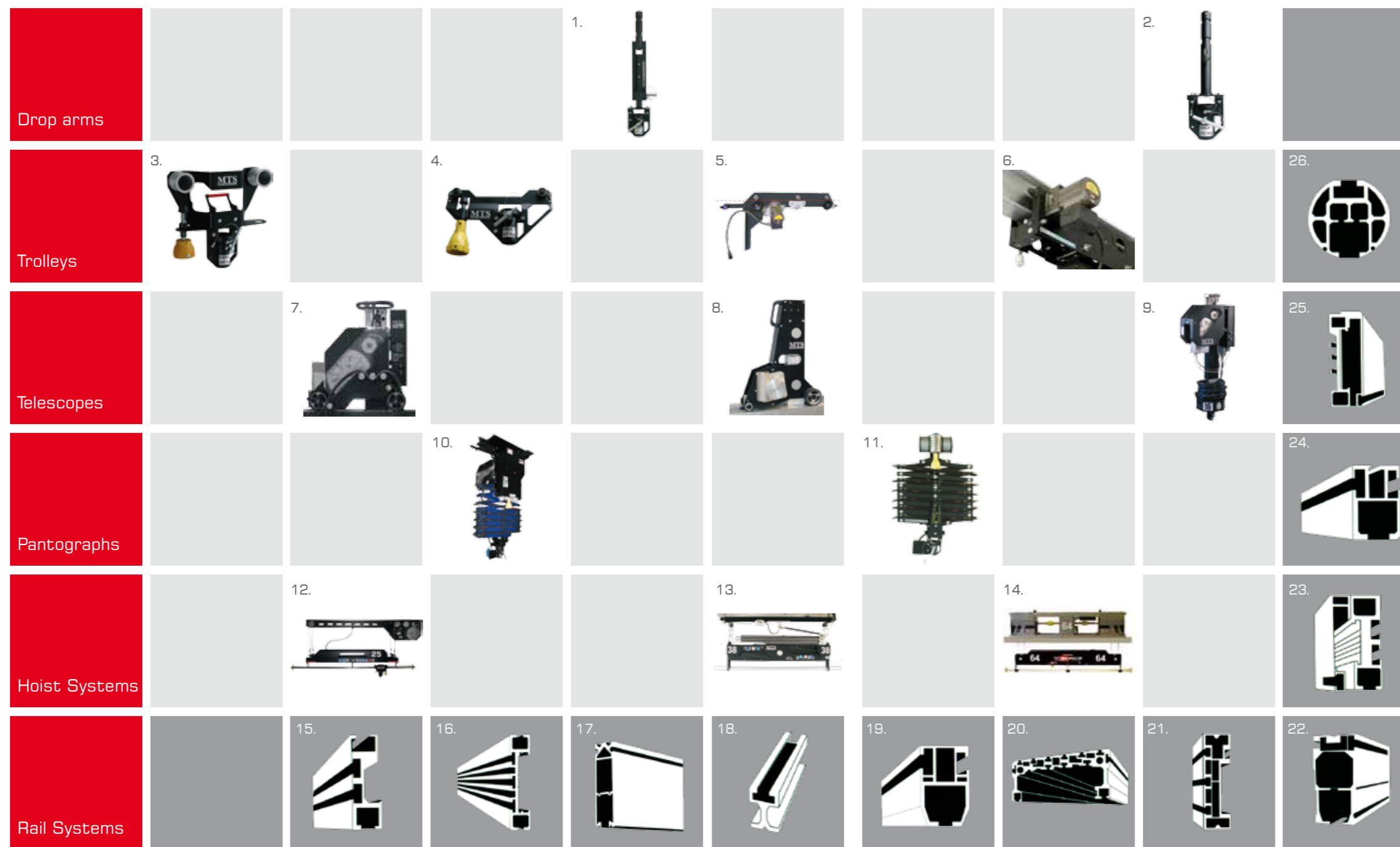
**M** **MovieTech**

MTS Media Technical System GmbH and Lastro Engineering GmbH are subsidiaries of MovieTech AG, Munich – Germany.

# Studio techniques



## Rail Systems



No. 1: Drop arm DAV 40-100  
 No. 2: Drop arm DAF 25-150  
 No. 3: Trolley LW-R 48  
 No. 4: Trolley LW-H300ST  
 No. 5: Trolley LWPZ.H500 Motor

No. 6: Trolley LW-IP140 Motor  
 No. 7: Grid - Telescope TLM 90 GE  
 No. 8: Grid - Telescope TLM 90 GM  
 No. 9: Telescope TLM 70.120  
 No. 10: Pantograph SZEL 50.60

No. 11: P.O. Pantograph SZM 25.45 PO  
 No. 12: Grid climber SLP 1000 B  
 No. 13: Self climber SC 1000 B up to 1200 B  
 No. 14: Grid climber SLH 2000 T

Rail Systems:  
 No. 15: AS-1  
 No. 16: AS-2  
 No. 17: AS-C  
 No. 18: AS-4  
 No. 19: AS-300  
 No. 20: ASS-XXL  
 No. 21: EHB  
 No. 22: ASS-3  
 No. 23: ASS-1  
 No. 24: ASS-Mini  
 No. 25: ASS-2  
 No. 26: Tube-A

No studio is like another and no studio will remain unchanged forever. Because needs and possibilities are constantly changing, our support systems are modular and compatible among each other and the variety of components is large. With MTS Media Technical System products, we offer customized solutions. Furthermore, due to a permanent development of the products, the equipment can always be adapted to prospective needs.

The product range of MTS Media Technical System includes:

### Support systems:

- Droparms
- Trolleys
- Pantographs
- Telescopes
- Tele Climber
- Hoist Systems

### Rail systems

(with or without contact conductor) for:

- main curtain fly facilities
- curtain rigging systems
- rail catapult installations
- bearing rails for airframes
- heavy load rails
- tow rope installations
- tooth belt transmissions
- friction wheel drive
- horizon curtain

Besides, MTS Media Technical System offers a large selection of accessories, such as power collectors, pole operating and motor drives.

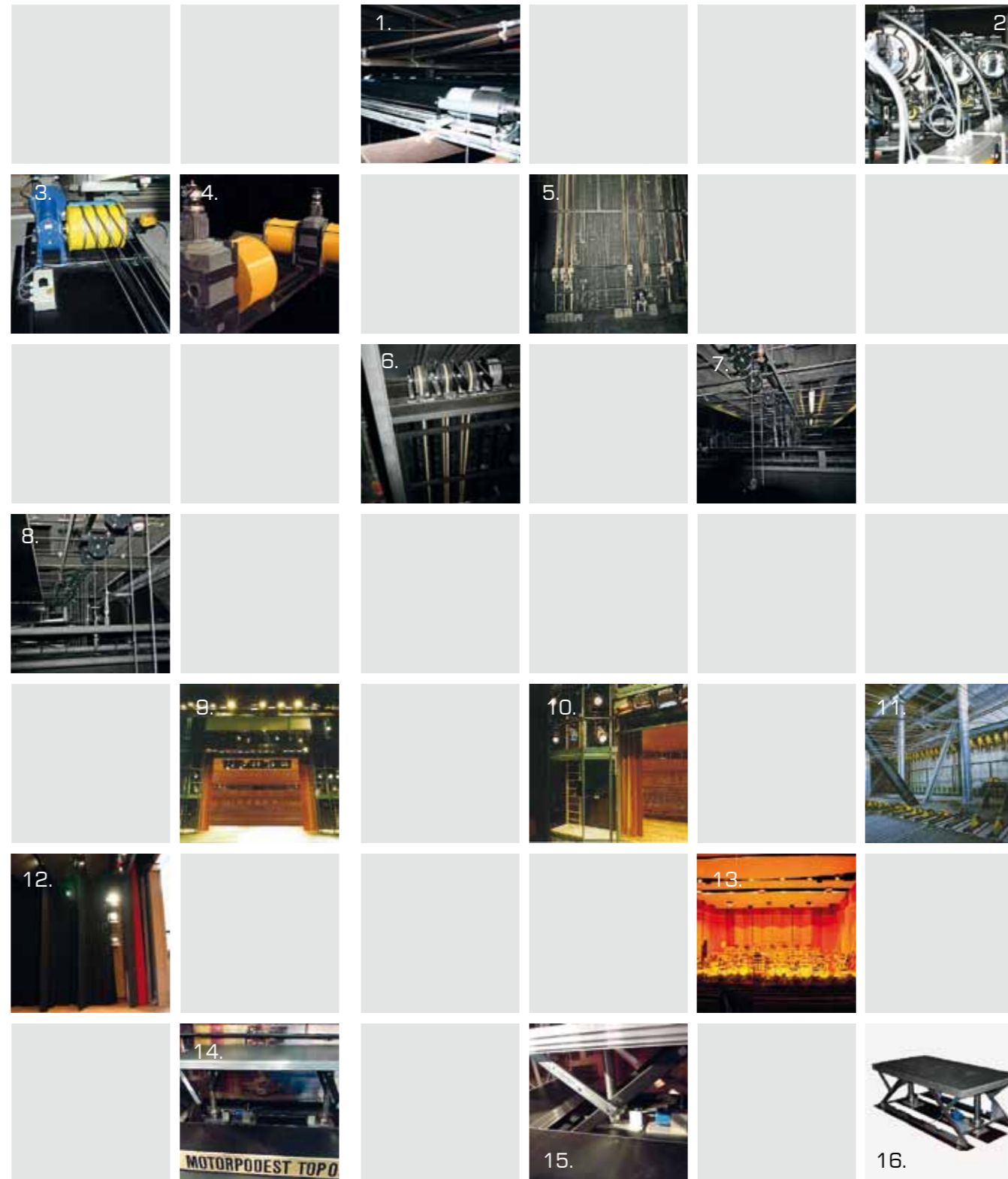
## Stage techniques

**MTS**  
Media Technical System

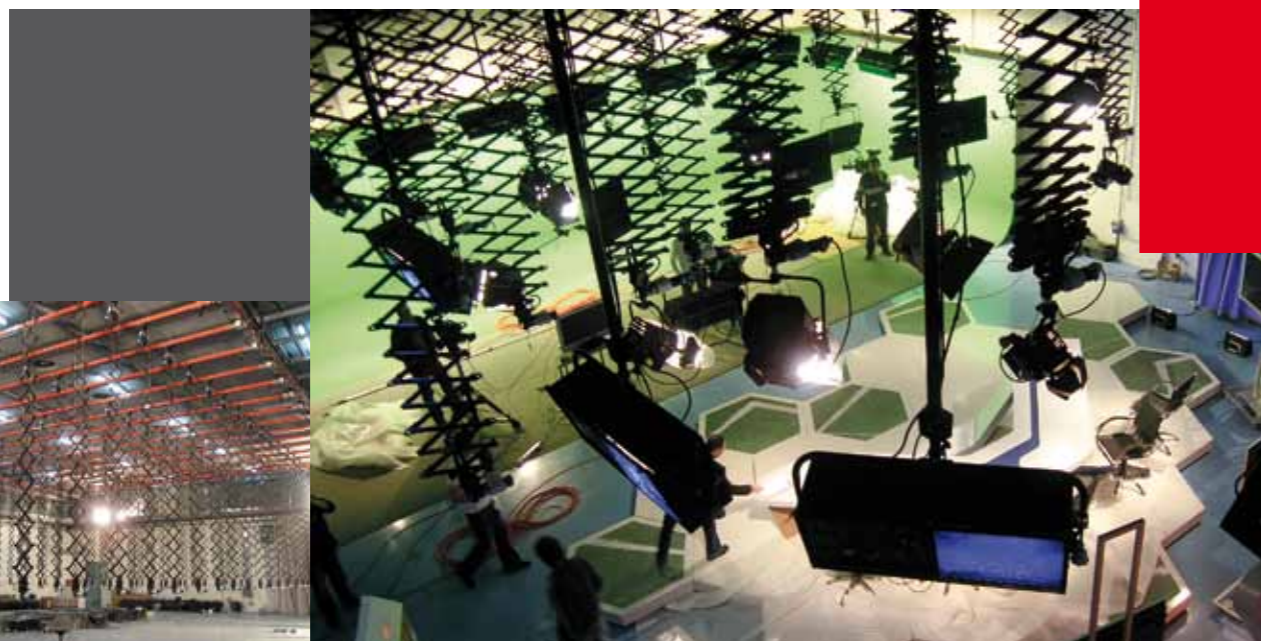
Like no other element, curtains and cyclorama systems determine the face of a stage. To achieve great effects while having maximum freedom in creativity, a functional and versatile support system is essential. For this, MTS Media Technical System offers in cooperation with Lastro Engineering a modular system that can be adapted to all specific needs and circumstances.

The product range for stage equipment includes:

- overstage machinery
- grid
- tele climber
- point hoists
- chain hoists
- tube lifts
- counterweight cage
- winch
- controls
- automation
- service, expert inspection



- Nr. 1: tube lifts
- Nr. 2: drive for tube lifts
- Nr. 3: tele climber
- Nr. 4: engine block
- Nr. 5: counterweight cage
- Nr. 6: headblock
- Nr. 7: loft block
- Nr. 8: loft block
- Nr. 9: false proscenium
- Nr. 10: lighting tower
- Nr. 11: grid
- Nr. 12: portal area
- Nr. 13: acoustic shell
- Nr. 14: motor podium
- Nr. 15: close up motor podium
- Nr. 16: motor podium



[www.mts-germany.com](http://www.mts-germany.com)

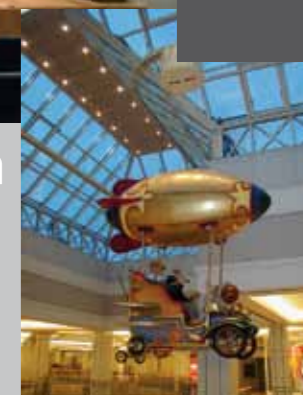


**Equipment and systems by Lastro Engineering and MTS Media Technical System can be found all over the world.**

**Theatres and stages:** German Theatre, Berlin (D) • National Theatre, Weimar (D) • Semper Opera House, Dresden (D) • Bolshoj Theatre, Moscow (RUS) • Pamplona Theatre (ES) • Theater am Gärtnerplatz, Munich (D) • Columbia Theatre (USA) • Press conference hall at the German Parliament House (D) • Castle of Prague (CZ)



[www.lastro.com](http://www.lastro.com)



**Television stations:** NOVA Prague (CZ) • TV Bialymstock (PL) • ZDF Mainz (D) • Ceska Televize Studio 6 (CZ) • ARD capital studio (D) • HFF film academy Potsdam-Babelsberg (D) • DaimlerChrysler, Stuttgart Studio 1+2 (D) • QVC Milwaukee (USA) • MTV Networks, Berlin (D) • Medienhaus Bern (CH) • TVE Santander (ES) • SAT 1 Studios, Berlin, Mainz, Bonn (D) • TV 3 Ljubljana (SLO)

**Industrial plants:** Caterpillar (GB) • BMW (USA) • Vauxhall (GB) • VW Shanghai (CN) • Opel (PL) • Dürr (MEX) • Eisenmann (BR)

## Control and automation

**MTS**  
Media Technical System

**LASTRO**  
ENGINEERING

Time is money – more than anywhere else this motto applies for the field of studio operation. In turn, in the field of stage techniques fast and dramatical transitions between scenes are demanded. In both cases, the control and automation solutions developed by MTS Media Technical System and Lastro Engineering, allow the easy and quick adaption of the facilities. By storing the positions, the setting can always be restored quickly and accurately.

### For example: Multi Control Panel – AIT 400



USB Interface

#### Touchscreen

for controlling the topography and for using as an input device

#### Joystick

for controlling all actions of a selected component



Consulting / Design

Planning

Manufacturing

Installation

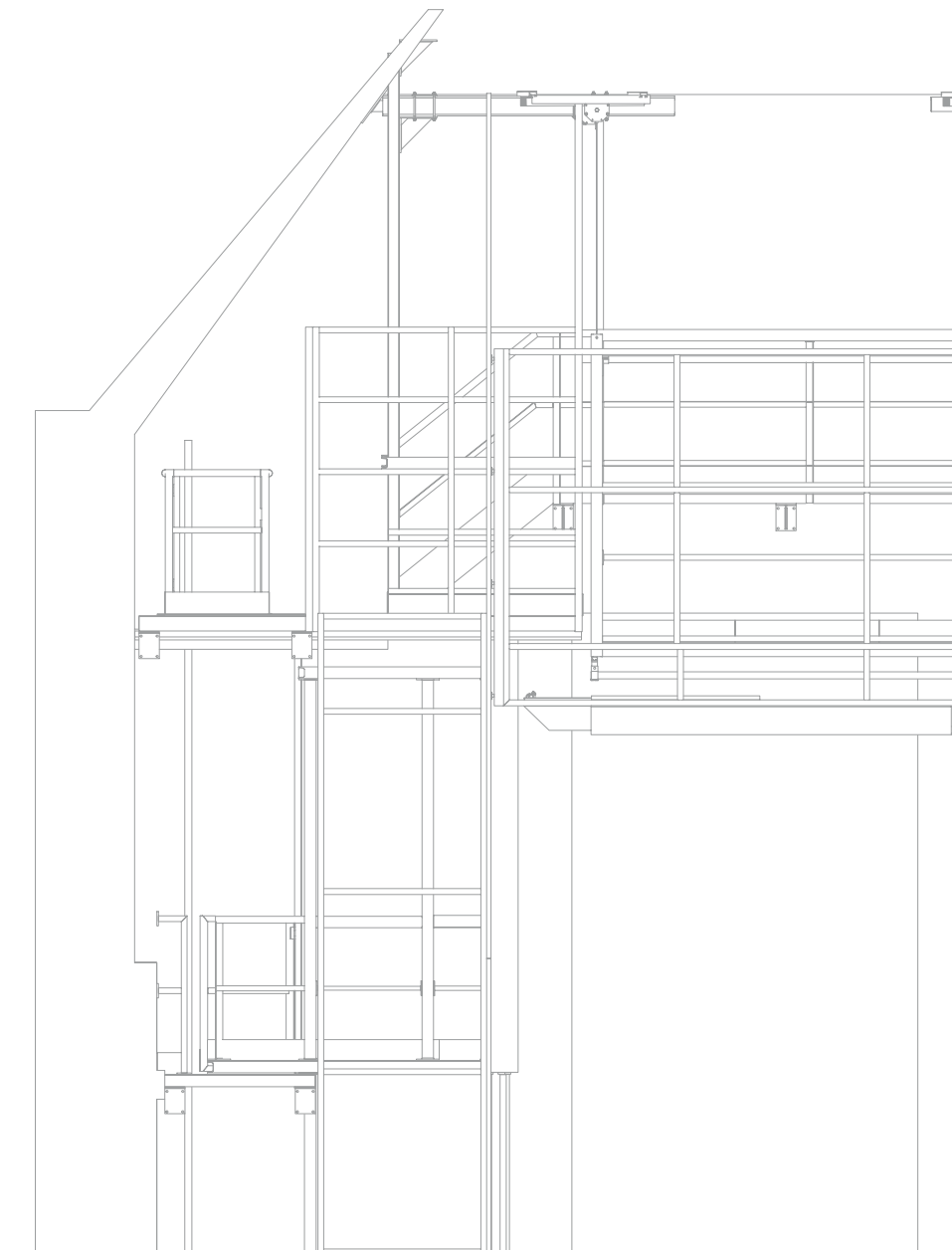
Operating / Service



## Consulting, engineering and installation

The Lastro Engineering GmbH team offers advice and planning services according to your needs and budget. We provide support in planning the studio and/ or stage facilities, in selecting the right products and may conduct the entire installation. Complying with your request, we support you either throughout the entire process or only in precisely the points where you want professional help. In any case, it is recommended to consult the team of Lastro Engineering at an early stage of your project. Particularly in the case of a new development we hereby might create optimal conditions for the studio and stage equipment and thus save time and money. We're looking forward to learn more about your project!





## Contact

### Sales:

MovieTech AG/ MTS Media Technical System  
Martin-Kollar-Str. 9  
D 81829 München  
Tel.: +49 (0) 89 / 43 68 91 3  
Fax: +49 (0) 89 / 43 68 91 55  
<http://www.mts-germany.com>  
e-mail: [info@mts-germany.com](mailto:info@mts-germany.com)

### Services:

Lastro Engineering GmbH  
Unterdörnen 81-87a  
D 42283 Wuppertal  
Tel.: +49 (0) 2 02 / 7 05 18 0  
Fax: +49 (0) 2 02 / 7 05 18 10  
<http://www.lastro.com>  
e-mail: [lastro@lastro.de](mailto:lastro@lastro.de)

(Technical details are subject to be changed without prior notice)