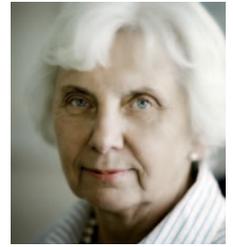
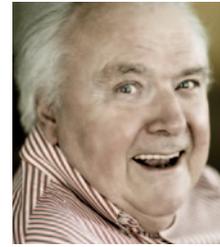


TRUSS SYSTEMS  
PLATFORMS & STAGING  
TURNTABLES  
MOBILE STAGE WAGONS

## **HOAC**® GRANDSTANDS

STAGE DESIGN  
FLY BAR SYSTEMS  
TRACK SYSTEMS  
MOBILE BALLET FLOOR  
MOBILE ACOUSTIC SHELLS



Wolfgang und Ingrid Högg | Founder



Dr. Gabriele Högg | Managing Director



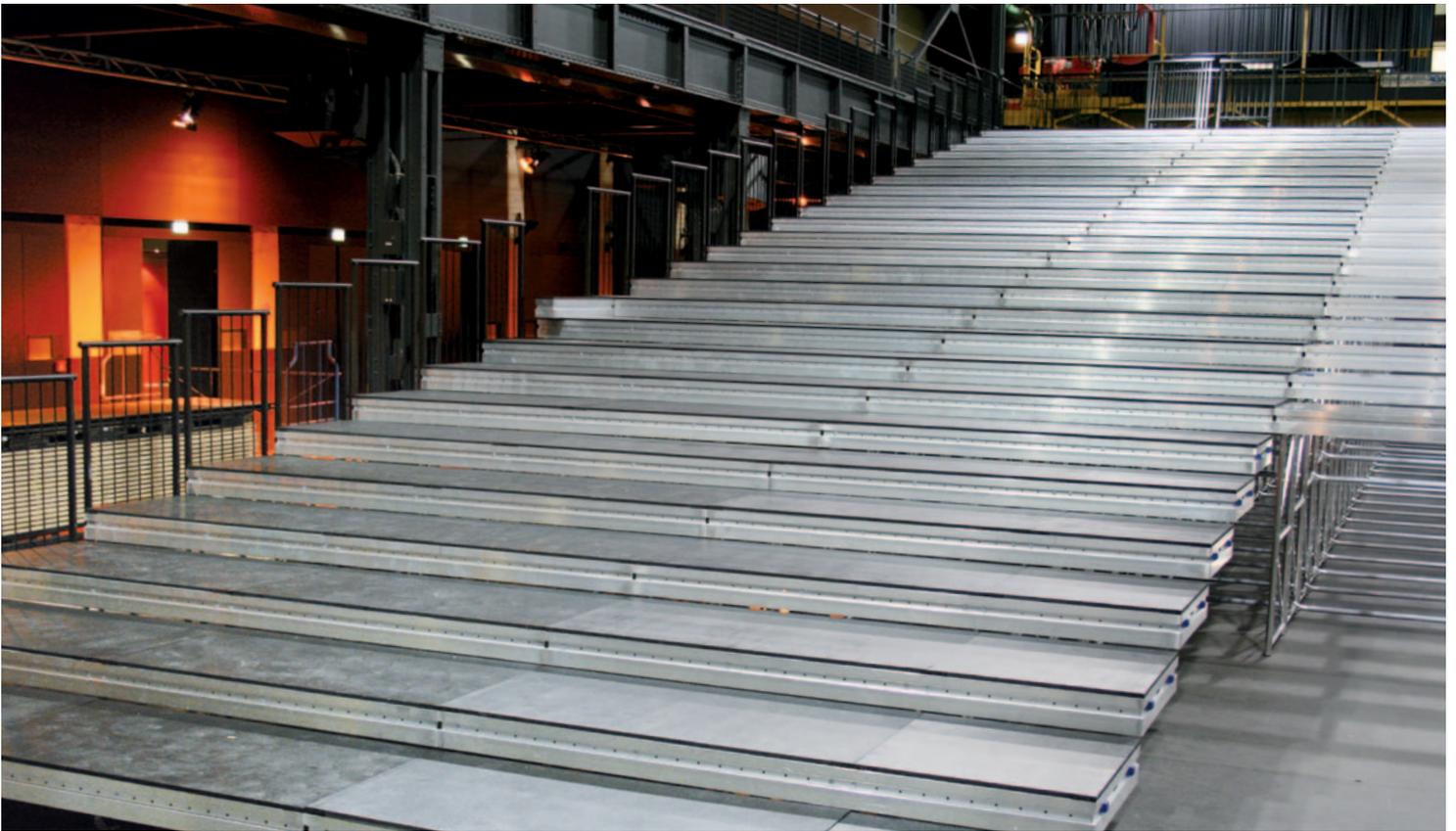
Martin Högg | Managing Director

## **HOAC**<sup>®</sup> German engineering at its best.

In 1985 HOAC<sup>®</sup> was founded by Ingrid and Wolfgang Hoegg. Today the family owned business is operated by the next generation, siblings Dr. Gabriele Hoegg and Martin Hoegg. Located near Düsseldorf, Germany, HOAC<sup>®</sup> manufactures innovative aluminum systems for theatre, event and stage technology.

All of HOAC<sup>®</sup>Systems are built with the modular concept in mind to allow for greater flexibility. Technical specifications and system compability combine to create an impressive structure where all components fit together and add greater value to the user.

HOAC<sup>®</sup> stands for superior technical development with a focus on system integration in stage technology. HOAC<sup>®</sup> offers all of this with a record of success. HOAC<sup>®</sup> has references and installations in almost all European countries, including many distinguished theatre and opera houses in the United States and Asia.



Germany, Cologne, Bühnen Köln | 2010

## HOAC® Grandstands: the smart modular system.

Higher, faster, easier – modern stage technology has complex demands. The HOAC®SystemFrame is the perfect solution for these requirements. Accessories that are adaptive to all kinds of stages and scenery offer a good solution, while protecting your budget. Cost saving, while not cutting corners on quality, is the HOAC® vision. Beginning in the 1980's, HOAC® started to focus on the modular stage concept and integrated this into all staging products. This means maximum flexibility for your technical realization and your budget.

HOAC®SystemFrame – for staging, grand stands, stage wagons, turntables and much more – always your perfect building set.

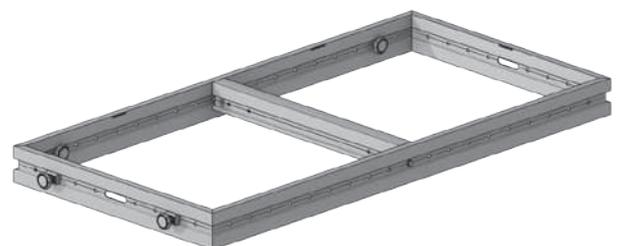
**HOAC®SystemFrame – the Original.**

**HOAC®Grandstands** | The perfect alliance of sustainability and flexibility.

A modular framing system with compliant accessories allows for faster set-up time and reduced manpower.

When the project is finished, HOAC®SystemFrames can be used for regular staging too.

**HOAC®SystemFrame** | The basic element of the modular system is offered in many different sizes. HOAC®SystemFrames use a unique and intelligent connection to lock the frames together with inner tension – without using tools.

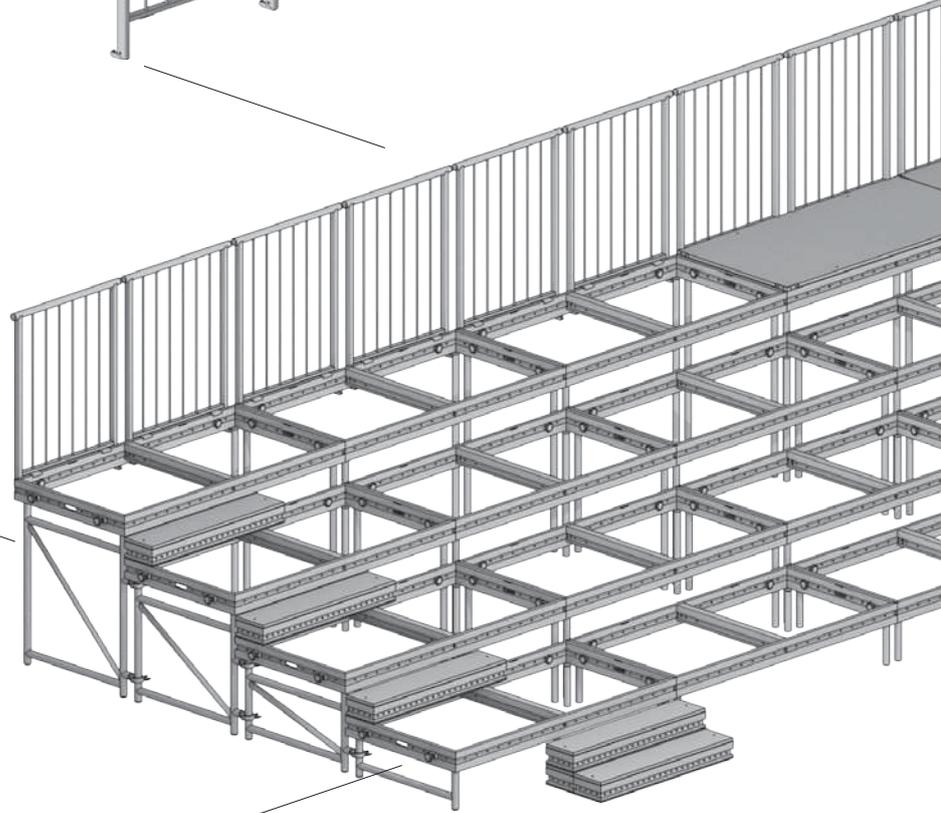




**HOAC®Railing** | Manufactured according to German regulation for public assembly, the railing is obtainable with a quick fit connector or a screw connection. Both design and color options are available.



**HOAC®VerticalFrames** | Special vertical frames with integrated Doughty couplers combine to create a tight connection of grandstand rows. The vertical frame also supports the lifting roller and bracing.



**HOAC®SystemFrame** | The welded basic elements are available in three frame profiles (105, 140, 173 mm), that can be connected together. Standard measurements are: 0,5 – 1 m width and 0,5 – 6 m length. Custom sizes and radiuses are available. All connections are included in the package.

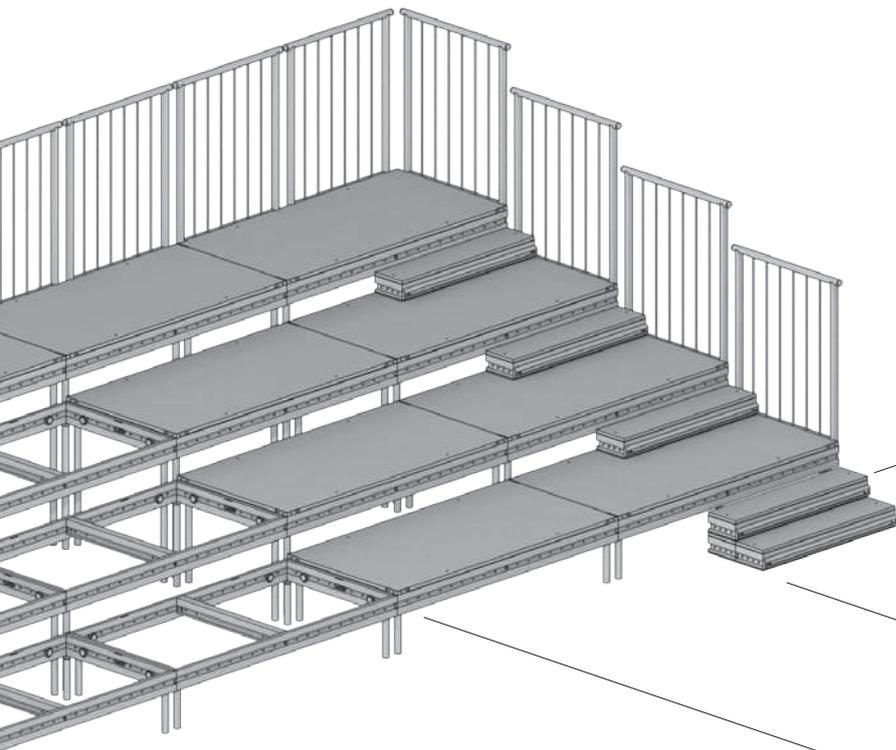
**HOAC®Grandstand** | Modular and sustainable, the individual parts can be combined for use in staging, turntables, set design or stage wagons.

## HOAC® Grandstands

HOAC®Grandstands – the perfect alliance of sustainability and flexibility. Using the modular frame system with its compliant accessories you will save critical time and manpower costs. After de-assembling use HOAC®SystemFrames for other staging, platforms or set design.

The size and the design are dependent on your demand. By choosing specified aluminum profiles in optimized construction design, less material is needed and set up times are shortened. Refer to this page for accessories offered.

For further questions please feel free to contact us.



**HOAC®SingleSteps** | Additional steps are available for frame heights above 19 cm. The integrated coupling system allows for easy and safe mounting where the additional steps are needed.



**HOAC®StepLight LED** | Provide light for safety during performance and in case of emergency. Lights are easily mounted into the HOAC®SystemFrame with non-visible wiring.



**HOAC®StopStrip for seating** | Provides immobility on deck for safety.



**HOAC®LiftingRoller** | Using sets of lifting rollers, a stationary grandstand can be turned into a mobile one.

For moving complete blocks of a grandstand, we developed the unique HOAC®LiftingRoller. After connecting a defined quantity of lifting rollers into vertical frames the grandstand is easily moveable by hand. This reduces set up time and allows for quick changes during intermissions.

## Advantages at a glance

- > quick and easy set up and tear down
- > cost saving with optimized material usage
- > less manpower
- > assembly without tools
- > configurations in a variety of options
- > standard load capacity 750 kg/sqm
- > multi-functional usage



**HOAC®DiagonalBracing** | For steady and safe set up, where statics require it. Available with fixed HOAC®System dimensions or telescopic lengths, equipped with 2 locking claw clamps.



**HOAC®PlywoodDecks** | Applied to the HOAC®SystemFrame with additional HOAC® InterlockingDevice. Circular felt stripes are fixed underneath decks for sound dampening. Other surface deck materials available upon request.

## HOAC®Grandstand

- > HOAC®SystemFrame
- > HOAC®LinkBlock
- > HOAC®LegHolder, for corner and long side mounting, Patent pending
- > HOAC®VerticalFrame with Doughty couplers
- > HOAC®LiftingRoller
- > HOAC®DiagonalBracing, fixed and telescopic lengths
- > HOAC®Railing
- > HOAC®SingleSteps with integrated emergency light
- > HOAC®Decks: wood, grids, plexiglass, etc.
- > HOAC®SideTrimPanels
- > HOAC®CornerProtection
- > HOAC®InterlockingDevice
- > HOAC®Seating



**HOAC®CornerProtection** | The high performance polymer corners protection covers the corners of a wooden deck for protection and centers the deck to the frame. Available for 21, 24, 27 mm deck thickness.



**HOAC®InterlockingDevice** | Consisting of zinc coated steel the interlocking device is mounted underneath the wooden decks and will lock into a pre-manufactured groove using an alien wrench to the HOAC®SystemFrame.



**HOAC®Seating** | Based on our company's expertise, we can provide the best seating options either fixed or mobile.

## HOAC®Certificates

- > DIN 18800-7 /D
- > DIN 4113-3
- > DIN EN ISO 3834-2
- > EN 1090 ff.



**HOAC®Covers** | Rear – or back side trim panels are available in wood- , metal- or textile finish, mounted without tools.

**BLACK BOX THEATER** | Precisely integrated into the auditorium, the grandstand and the stage form one unit. The perfect way for the audience to enjoy the performances.



Netherlands, Antwerpen, De Singel | Grandstand 180 seats

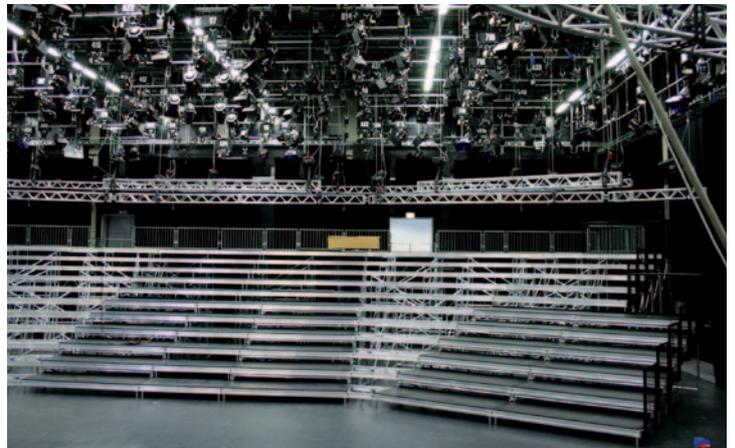
## HOAC® Cases

**INDOOR SPORTS ARENA** | HOAC®Grandstands provide the perfect temporary setting in a sports hall, here for the Handball European Cup 2006 tournament in Basel. Platforms for TV cameras were also delivered.



Switzerland, Basel, St. Jakobshalle | Grandstand 525 seats

**TV STUDIO WDR** | A combination of telescopic blocks and standard HOAC®SystemFrames was used for a temporary TV studio. The trapezium shape guarantees a great view from all seats.



Germany, WDR, Köln | Grandstand 410 seats

**HOAC® TELESCOPIC GRANDSTAND** | A grandstand should be an attractive part of the scenery – what a concept! The telescopic grandstand can be moved as a block by using a manual lift wagon. One block consists of 5 rows maximum and 3 m width. Upper rows need diagonal bracing. Seating can be integrated. The telescopic grandstand can be enlarged with standard HOAC®SystemFrames.



Germany, Stadttheater Gütersloh | Grandstand 102 seats

## **HOAC**<sup>®</sup> GERMANY

HOAC<sup>®</sup> SCHWEISSTECHNIK GMBH

PFERDSWEIDE 39C | 47441 MOERS | GERMANY

PHONE +49.2841.90828-0 | FAX -70 | [WWW.HOAC.COM](http://WWW.HOAC.COM)

## **HOAC**<sup>®</sup> ASIA AND PACIFIC

HOAC<sup>®</sup> BEIJING REPRESENTATIVE OFFICE

ROOM 909A, AIR CHINA PLAZA | NO. 36, XIAOYUN ROAD

CHAOYANG DISTRICT, BEIJING, PEOPLES REPUBLIC OF CHINA

PHONE +86.10.845378-00 | FAX -03 | [WWW.HOAC.CN](http://WWW.HOAC.CN)

## **HOAC**<sup>®</sup> BENELUX

EOS BV

HENGELOSESTRAAT 100 | 7514 AK ENSCHEDE | NETHERLAND

PHONE +31.53.43306570 | FAX +31.53.43688894 | [WWW.EOSLINK.NET](http://WWW.EOSLINK.NET)

## **HOAC**<sup>®</sup> NORTHERN EUROPE

CREATEX DK

HJELMVEJ 1 | 4780 STEGE | DENMARK

PHONE +45.558605-0 | FAX -05 | [WWW.HOAC.COM](http://WWW.HOAC.COM)