

4<sup>th</sup> Convention on July 1 and 2, 2014 at the THE SQAIRE in Frankfurt



# THE HOSPITAL BUILDING OF THE NEXT GENERATION 2014

Path-finding ideas and practical impulses for a better economy and performance

- ❑ **Innovative Hospital Projects and Concepts**
- ❑ **An Update on the Healing Architecture**
- ❑ **Hygiene and OP-Techniques**
- ❑ **Building Information Modelling and Facility Management**
- ❑ **Technology and Environment**
- ❑ **Smart Use of Energy**
- ❑ **Public Procurement Law, HOAI 2013**
- ❑ **Financing, Contracting and PPP**
- ❑ **International Projects**
- ❑ **Green Hospital**
- ❑ **The Digital Hospital**

► Organiser

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**AKG**  
Architekten für Krankenhausbau und  
Gesundheitswesen im Bund Deutscher Architekten e. V.

Health Care  
  
Without Harm

Words of Welcome



**Minister Stefan Grüttner**  
*Hessian Minister for Social Affairs and Integration, Germany*



Ladies and gentlemen,

I am glad that the Clinic Real Estate takes place for the fourth consecutive time. The convention offers an array of topics, namely planning, construction and financing of hospitals. Thus the convention becomes an integral part in this business.

The organisers address the current and future requirements and general frameworks which the planners and operators have to face. Concrete examples, increasing in awareness, are “hygiene and modern operating theatre technology”, which result in outstanding treatment results and patients security. Furthermore, the professional and public perception has increased with regards to energy-efficient construction and renovation of hospitals, as well as future development in financing hospitals. The State of Hesse has realized the financing of a hospital in a public-private partnership already.

I wish you an interesting convention with fruitful discussions and a good exchange of knowledge.

Yours sincerely

► A message from the organiser



**Dipl.-Ing. Architect Jürgen Zimmermann**  
*Authorised Signatory, S|PM Projektmanagement GmbH, Frankfurt, Germany*

For the fourth time the convention “The Clinic Real Estate of the Next Generation” will be conducted in Frankfurt by a new organiser and at a new location. The Squire is located at the Frankfurt Airport and the Railroad Station at Frankfurt International Airport, easily accessible for the participants.

The convention will once again focus on the increasing complexity of the German and international construction business. Major construction sites do not necessarily have to be expensive or not completed in time. Last year we visited the new building site of the Hochtaunus-Kliniken; this year we will hear about first experiences after the launch.

The program reflects how manifold the issues are that revolve around the health care real estate; some issues of the recent years have been addressed and discussed during the last congresses. Those topics will be emphasized and complemented with current insights in 2014.

As in the previous years we want to thank our speakers and moderators, the patrons and of course our sponsors that make this convention possible.

A warm welcome to you, at a convention that combines internationality and networking like almost no other. I look forward to meeting you and hope that you have a good time with good interactions and discussions.

Words of Welcome

► A message from the patrons



**Prof. Dipl.-Ing. Linus Hofrichter, Architect BDA, AKG**  
 Vice chairman of the AKG – Architekten für Krankenhausbau und Gesundheitswesen im Bund Deutscher Architekten e.V. Berlin, Germany

Ladies and gentleman,  
 already for the fourth time deciders and practitioners meet for the convention “The Clinic Real Estate of the next Generation“. The big success of the previous conventions underline the importance of such a platform. The organiser developed a format that is meeting the pulse of the time.

The current annual topic “Path-finding ideas and practical impulses for a better economy and performance“, indicates that constructing facilities for healthcare has become more demanding recently and that requirements are likely to increase. Thus, dialogue and enhanced networking between all actors involved becomes a necessity. “The Clinic Real Estate of the next Generation“ addresses exactly that heterogenous audience of operators of hospitals, architects, planners, institutions and the concerning authorities. Because of the diversity of participants and the approach to discuss current topics in plenum as well as in workshops, the convention achieves to combine the vital connection between discussion and information.

As a consequence from the above mentioned reasons, our society “Verein Architekten für Krankenhausbau und Gesundheitswesen im Bund Deutscher Architekten e.V. (AKG)“ gladly takes over patronage of this convention. We represent 160 members of more than 80 architect offices, that deal with the task in hospital building and in the health care sector in general. Our society aims to contribute to appropriate hospital construction with efficient, humane and cost-effective health services.

The AKG wishes all participants engaging discussions, helpful insights for their field of work and the organiser a successful congress.



**Anja Leetz**  
 Executive Director, Healthcare without Harm Europe (HCWH Europe), Germany

Public and private buildings with heating, warm water and illumination are responsible for 40 % of the total energy consumption in Germany. They stand for 20% of the total German carbon emissions. Hospitals have further energy needs: cooling, ventilation, sterilization and more, therefore they have a poor CO<sub>2</sub> emissions balance sheet.

As a result a hospital needs to be planned adequately, especially with regards to quality standards, referring to structure- and process quality. Furthermore, decisions on reconstructing and constructing in general have to be scrutinized. This is a question that needs to be addressed also by policy: how are investments to be made, because eventually it has to be to the credits of the patients.

We know: In comparison with the rest of the EU, Germany is the third biggest spender for the healthcare system with 11,3% of the GDP in 2011. Due to structure- and process quality, the quality index of the OECD in the health report of 2013 ranks Germany only as eighth. With regards to the patient-centered care and the quality of results in comparison to 24 states, Germany accounts for 12th and the 14th, respectively.

Sustainability, reduction and waste of any kind and the effective use of our resources is the only solution to prevent a collapse of systems. In May 2013 the world CO<sub>2</sub> emissions surpassed the bottom line of emissions of 400 ppm (parts per million), although scientists tell us that a 350 ppm boundary should not be surpassed in order to enable human life on the planet. Instead, CO<sub>2</sub> emissions increased globally: 9,7 billion tons CO<sub>2</sub> in Germany in 2012. Germany is once again a “coal-country“; 45% of the energy mix is produced with coal, but also 23,4% with renewable energies.

In the meantime we observe a global pandemia with children that are infected with neurotoxic substances, sometimes already in the mothers womb. These substances may cause the advance of cancer, dementia and obesity. With an aging society, increasing figures of patients with chronic diseases, it is time we discuss across all disciplines: how can we solve the challenges of health and environment? Health Care Without Harm, known as an environment- and health network, addressing challenges in the healthcare sector on a European level, but also links with local initiatives, is patron of this convention also this year.

I hope that the fourth Clinic Real Estate of the Next Generation will initiate dialogue and networking, in order for us to quickly find solutions to enable us and our children to keep on living on this Planet. The Planet does not need us, but we do! Closing in that spirit, I wish you a successful conference.

Agenda – Tuesday, July 1, 2014

► Check in beginning at 8:30 am

|          |   |   |
|----------|---|---|
| 9:30 am  | <b>WORDS OF WELCOME by the organiser</b>              | Dipl.-Ing. Architect Jürgen Zimmermann<br>Authorised Signatory, S PM Projektmanagement GmbH, Frankfurt, Germany   |
| 9:40 am  | <b>WORDS OF WELCOME by the patrons</b>                | Prof. Dipl.-Ing. Linus Hofrichter, Architect BDA, AKG<br>Vice Chairman of the AKG-Architekten für Krankenhausbau und Gesundheitswesen im Bund Deutscher Architekten e.V. Berlin, Germany<br>Anja Leetz<br>Executive Director, Health Care Without Harm Europe (HCWH Europe)   |
| 10:00 am | <b>International Hospital Architecture and Design</b> | Dipl.-Ing. Architekt Johannes Kresimon<br>Authorised Signatory, HDR TMK Planungsgesellschaft GmbH, Düsseldorf, Germany<br>Jerry J. Jeter<br>Vice President, Principal, Canada Director of Development, HDR Architecture Associates, Inc., Omaha, Nebraska, USA<br>Ronald Hicks<br>Principal, Director of Health & Research, HDR Rice Daubney, North Sydney, Australia |

11:00 am **COFFEE BREAK**

Agenda – Tuesday, July 1, 2014

Session 1.1.

**Hospital Construction and Interior Design**

|          |  |   |
|----------|--|---|
|          | <b>MODERATION</b>  | Dipl.-Ing. Sylvia Leydecker<br>Interior designer BDIA – AKG, 100% interior, Cologne, Germany  |
| 11:30 am | <b>Building Environmentally Friendly Healthcare Facilities</b>   | Dr. Thomas Belazzi<br>BauXund Forschung und Beratung GmbH, Vienna, Austria  |
| 12:00 am | <b>Research Project: "Hospital Construction on Site" – Results for a trend-setting Corporate Planning of Hospitals</b> | Dipl.-Ing. Wolfgang Sunder<br>Institut für Industriebau und Konstruktives Entwerfen, TU Braunschweig, Germany   |
| 12:30 pm | <b>Successful Integration of a "Hybrid OP" at the University Medical Center Mannheim</b>                               | Norbert Helmus and Dipl.-Kaufmann Gesundheitsökonom Siegfried Loewenguth<br>CEO, ATP health Planungsgesellschaft für das Gesundheitswesen, Frankfurt, Germany |

1:00 pm LUNCH BREAK

Session 1.2.

**Medical Technology and Hygiene**

|         |   |  |
|---------|---|--|
|         | <b>MODERATION</b>   | Prof. Dipl.-Ing. Lüder Clausdorff<br>Architect BDA-AKG, Fachbereich KMUB, Gießen, Germany            |
| 2:00 pm | <b>From the Viewpoint of Hygiene: Workflows and Business Processes of the Service Facility for Operating Theaters</b> | Barbara Kemper<br>Divison Manger Hygienic Construction Monitoring, HYBETA GmbH, Münster, Germany     |
| 2:30 pm | <b>Hygienic Standards for Medical Products: Aspects of Cleaning, Disinfection and Ventilation</b>                     | Prof. Dr. med. Clemens Bulitta<br>Ostbayerische Technische Hochschule Amberg-Weiden, Weiden, Germany |
| 3:00 pm | <b>A New Ventilation Technology for Operating Theaters – Thinking Outside of the Plenum</b>                           | Peter Ekolind<br>CEO, Avidicare AB, Lund, Sweden   |

3:30 pm COFFEE BREAK

Session 2.1.

**Technology and Environment**

|          |   |   |
|----------|---|---|
|          | <b>MODERATION</b>   | Dipl.-Ing. Dieter Leipoldt<br>CEO, INOVIS Ingenieure GmbH, Frankfurt, Germany   |
| 11:30 am | <b>Decentralised Energy – The Path to Sustainable and Independent Power</b>   | Dipl.-Ing. Alfred Gayer<br>CEO, EnVitec Biogas AG, Lohne, Germany   |
| 12:00 am | <b>Holistic Improvement of the Heating Technology in the Hospital Bad Endbach</b>   | Claudia Koller<br>CEO, Hessische Berglandklinik, Bad Endbach, Germany<br>Oliver Kisignacz<br>Stadtwerke Gießen AG, Germany                                    |
| 12:30 pm | <b>Success Factor Energy Efficiency: Saving Energy by Optimizing Power Provision in the Maria Hilf Clinical Center in Mönchengladbach</b> | Peter Weidemann<br>Division Manager Facility Management, Kliniken Maria Hilf GmbH, Mönchengladbach, Germany<br>Michael Schilling<br>SEW-GmbH, Kempen, Germany |

1:00 pm LUNCH BREAK

Session 2.2.

**Green Hospital**

|         |  |   |
|---------|--|---|
|         | <b>MODERATION</b>  | Dipl.-Ing. Architect Jürgen Zimmermann<br>Authorised Signatory, S PM Projektmanagement GmbH, Frankfurt, Germany   |
| 2:00 pm | <b>Enhancement through Sustainability – Green Building Labels in a Cost-Benefit Analysis</b>               | Dr. Kati Herzog<br>Head of Business Development & Key Account Management, Sustainability/Energy Efficiency, Member of the Management Board, Bilfinger Baupformance GmbH, Frankfurt, Germany |
| 2:30 pm | <b>GREEN-Hospital: Rhineland-Palatinate – The Sustainable Hospital under Construction and in Operation</b> | Dipl.-Ing. (FH) Daniela Arnold<br>Coordination GREEN-Hospital Rhineland-Palatinate, Ministerium für Wirtschaft, Klimaschutz, Energie und Landesplanung Rhineland-Palatinate, Mainz, Germany |
| 3:00 pm | <b>Greenhospital according to DGNB-Certification Systems – The new Glantalklinik in Meisenheim</b>         | Dr. Gerald Gaß<br>Director Landeskrankenhaus (AöR)  |

3:30 pm COFFEE BREAK

Agenda – Tuesday, July 1, 2014

Session **1.3.**  
**Digital Hospital**

|         |  |  |
|---------|--|--|
|         | <b>MODERATION</b>  | <b>Dr. Hartwig Jaeger</b><br>CEO, archimedia, Hamburg, Germany   |
| 4:00 pm | <b>IT for Planning New Hospitals – Requirements, Framework Conditions and Operative Realisation</b>                | <b>Dr. Andreas Beß</b><br>Member of the Board, promedtheus AG, Erkelenz, Germany   |
| 4:30 pm | <b>Success through Institutionalising IT/Medical Technology, Strategy and Masterplanning</b>                       | <b>Dr. Pierre-Michael Meier</b><br>Entscheiderfabrik, IuIG-Initiativ-Rat, Grevenbroich, Germany  |
| 5:00 pm | <b>New Paths in the University Medical Center Munich: Simulation as Integral Component of the Planning Process</b> | <b>Meik Eusterholz</b><br>Unit Director Health Economy, UNITY AG, Cologne, Germany<br><b>Dr. Kurt Kruber</b><br>Medizintechnik und IT, Klinikum der Universität München, Germany |
| 5:30 pm | <b>END OF THE FIRST DAY OF THE CONGRESS</b>  |  |

7:30 pm **GET-TOGETHER** in the "Depot 1899", Textorstraße 33, Frankfurt am Main with Live Football from the World Championship starting at 10 pm

Agenda – Wednesday 2. July 2014

▶ Check in beginning at 8:30 am

Session **1.4.**  
**Legal Issues**

|          |   |   |
|----------|---|---|
|          | <b>MODERATION</b>   | <b>Dr. Christian Scherer-Leydecker</b><br>Associate, CMS Hasche Sigle, Cologne, Germany   |
| 9:00 am  | <b>The Faulty Construction Process</b>  | <b>Dr. Heiko Falk</b><br>Specialist Solicitor for Construction and Architectural Law, Partner der Partnerschaftsgesellschaft, Rechtsanwälte Bornheim und Partner, Heidelberg   Frankfurt   Berlin   Düsseldorf   Hamburg, Germany |
| 9:30 am  | <b>The Acquisition of Endurable and Qualitative Products under Consideration of the German Public Procurement Law</b> | <b>Andrea Maria Kullack</b><br>Lawyer, Member of the "Vergabekammer Hessen", Chair of the "Vergabezirkel", Kullackrechtsanwälte, Frankfurt, Germany   |
| 10:00 am | <b>HOAI 2013, Changes and Impacts</b>   | <b>Matthias Hilka</b><br>Lawyer and Specialist Solicitor for Construction and Architectural Law, Reitz Hilka, Fachanwaltsgesellschaft, Frankfurt, Germany   |
| 10:30 am | <b>COFFEE BREAK</b>   |   |

Session **2.3.**  
**International Projects**

|         |   |  |
|---------|---|--|
|         | <b>MODERATION</b>   | <b>Dipl.-Ing. Architekt Martin Bleckmann</b><br>Director, gmp · Architekten von Gerkan, Marg und Partner, Aachen, Germany                            |
| 4:00 pm | <b>Healing Architecture in Denmark – Design supports Patients Healing Process</b>   | <b>Anette Madsen, Architect MAA</b><br>Project Director, Nyt Hospital Herlev, Herlev, Denmark  |
| 4:30 pm | <b>International Feasibility Studies in the Health Sector – A Report on Projects from the Middle East, Afrika and Central Asia</b>          | <b>Dipl.-Ing. Architect Henning Lensch</b><br>CEO, RRP International Hospital Planners Pte Ltd, Singapur, Germany                                    |
| 5:00 pm | <b>Middle East Healthcare Markets – still emerging. Local demand for high quality needs combined masterplanning and management concepts</b> | <b>Christian Ott-Sessay</b><br>Head of Business Development, Vivantes International Medicine, Vivantes Netzwerk für Gesundheit GmbH, Berlin, Germany |
| 5:30 pm | <b>END OF THE FIRST DAY OF THE CONGRESS</b>   |  |

Depot 1899, Frankfurt



Session **2.4.**  
**Innovation and Restructuring of the Environment**

|          |  |   |
|----------|--|---|
|          | <b>MODERATION</b>  | <b>Prof. Dipl.-Ing. Linus Hofrichter, Architect BDA, AKG</b><br>Vice Chairman of the AKG-Architekten für Krankenhausbau und Gesundheitswesen im BDA e.V., Berlin, Germany |
| 9:00 am  | <b>The Supraregional Public Hospital Corporation – Opportunities and Risks</b> | <b>Jochen Metzner</b><br>Head of Division Hospital Logistics and Healthcare, Hessian Ministry for Social Affairs and Integration, Darmstadt, Germany                      |
| 9:30 am  | <b>Operational Management and Project Preparation</b>                          | <b>Dipl.-Ing. Architect Volker Merker</b><br>Merker Architektur Management GmbH, Hansestadt Lübeck, Germany   |
| 10:00 am | <b>Decentralised Power Supply as a Contribution to the "Energiewende 2.0"</b>  | <b>Dipl.-Ing. Norbert Neuhaus</b><br>RWE Energiedienstleistungen GmbH, Essen, Germany   |
| 10:30 am | <b>COFFEE BREAK</b>  |   |

Agenda – Wednesday 2. July 2014

Session 1.5.

**Building Information Modelling and Integral Solutions**

|          |   |   |
|----------|---|---|
|          | <b>MODERATION</b>   | Dipl.-Ing. Architect Johannes Kresimon<br>Authorised Signatory, HDR TMK Planungsgesellschaft mbH,<br>Düsseldorf, Germany  |
| 11:00 am | <b>BIM-Technology:<br/>Impact on the Planning Process and<br/>User Integration</b>  | Franz Pödechtl<br>Head of Department Infrastruktur, Technik, Dienstleistungen,<br>kbo München Haar, Germany<br>MArch Holger de Groot<br>Regional BIM Director, Stuttgarter Service- und<br>Planungsgesellschaft mbH, Stuttgart, Germany |
| 11:30 am | <b>Integration of TGA and Medical<br/>Engineering: Experiences from the<br/>Research-Operating Theatre of the OTH<br/>Amberg-Weiden</b> | Prof. Dr. med. Clemens Bulitta<br>Ostbayerische Technische Hochschule Amberg-Weiden,<br>Weiden, Germany   |
| 12:00 am | <b>Holistic Solutions for the Operating<br/>Theatre</b>   | Dipl.-Ing. (FH) Stephan Süß, Managing Partner und Michael Zimmer,<br>Hospitaltechnik Planungsgesellschaft mbH, Krefeld, Germany   |

12:30 pm LUNCH BREAK

Session 1.6.

**Developing Healthcare Real Estate**

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|---------|---|---|
|         | <b>MODERATION</b>   | Iris Wolke-Haupt<br>CEO, Bilfinger Real Estate Asset Management GmbH,<br>Frankfurt, Germany                                 |
| 1:30 pm | <b>Economical, Legal and Fiscal Framework<br/>Conditions for Health Centres</b> | Prof. Dr. Thomas Schlegel<br>Prof. Schlegel Hohmann & Partner, law firm for medical law,<br>Frankfurt, Germany              |
| 2:00 pm | <b>The Mediceum Landstuhl<br/>– Experiences from the Initiator</b>              | Dr. Antonio Baker Schreyer<br>Drs. Baker Schreyer, Raahimi, Jung und Hammerschmitt<br>MVZ Westpfalz GbR, Landstuhl, Germany |
| 2:30 pm | <b>Success Parameters Necessary for<br/>Implementation</b>                      | Dipl.-Kfm. StB Christoph Scheen<br>Tax Accountant, S/H/G Steuerberater Partnergesellschaft,<br>Cologne, Germany             |

3:00 pm FAREWELL FROM THE HOST

Dipl.-Ing. Architect Jürgen Zimmermann  
S|PM Projektmanagement GmbH, Frankfurt, Germany

3:15 pm END OF THE SECOND DAY OF THE CONGRESS

Session 2.5.

**Public Private Partnership/Building Redevelopment**

|          |   |  |
|----------|---|--|
|          | <b>MODERATION</b>   | Dipl.-Ing. Kirstin Lehmann<br>Project Director, S PM Projektmanagement GmbH,<br>Frankfurt, Germany                       |
| 11:00 am | <b>Effective Organisation Structures for<br/>the New Plant of Hospitals</b>   | Friedrich Prem<br>Directorate General, Technology Division,<br>Krankenanstaltenverbund Vienna, Austria                   |
| 11:30 am | <b>New Construction of the "Hochtaunus-<br/>Kliniken, Bad Homburg and Usingen"<br/>– First Insights after the Launch</b>    | Dipl.-Ing. (FH) Karsten Valentin<br>Division Manager, Infrastruktur Hochtaunus-Kliniken gGmbH,<br>Bad Homburg, Germany   |
| 12:00 am | <b>Construction Site on Limited Space<br/>– Rotes Kreuz Krankenhaus Bremen –<br/>Challenges for Architects and Planners</b> | Dipl.-Ing. Architect BDA Thomas Rettig<br>CEO of agn med GmbH, agn Niederberghaus & Partner GmbH,<br>Ibbenbüren, Germany |

12:30 pm LUNCH BREAK

Session 2.6.

**Solutions for existing Healthcare Real Estate**

|         |  |  |
|---------|--|--|
|         | <b>MODERATION</b>  | Dr. Jürgen Beckmann-Toussaint  |
| 1:30 pm | <b>Securing the Future – How can Existing<br/>Structures be upgraded?</b>  | Dipl.-Ing. Architect Martin Rieger<br>sander.hofrichter architekten Partnerschaft, Ludwigshafen, Germany   |
| 2:00 pm | <b>Please do not disturb!<br/>Construction during ongoing Business<br/>at the Example of Bettenhaus<br/>Kreisklinikum Siegen</b> | Peter Orthen<br>CEO, ALHO Systembau GmbH, Friesenhagen, Germany<br>Uwe Moll<br>Technical Director Kreisklinikum Siegen GmbH, Germany<br>Thomas Schönauer<br>Architekturbüro Schönauer, Hünsborn, Germany |
| 2:30 pm | <b>Diana Kliniken in Bad Bevensen<br/>– Sustainable Restauration</b>   | Jürgen Langenhorst<br>Project Manager Health Care, Gira Giersiepen GmbH & Co. KG,<br>Radevormwald, Germany   |

3:15 pm END OF THE SECOND DAY OF THE CONGRESS

▶ Registration online at [www.dieklinikimmobilie.de](http://www.dieklinikimmobilie.de)

| Participation fee | Early booking discount | Regular fee |
|-------------------|------------------------|-------------|
| One day           | 280 €                  | 330 €       |
| Two days          | 460 €                  | 510 €       |

Early booking until April 24, 2014. Gross amounts including VAT.

**The registration deadline is June 25, 2014.**

The official language of the conference is German. Lectures given in English will not be translated! All information regarding the agenda is not final. Changes to the agenda are possible.

▶ Organiser

**S|PM Projektmanagement GmbH**

Dipl.-Ing. Architect Jürgen Zimmermann  
 Authorised Signatory  
 München | Frankfurt am Main | Düsseldorf | Berlin | Hannover | Hannover  
 Goldsteinstr. 114  
 60528 Frankfurt am Main

▶ If you have any questions, please contact

**Realisation and public relations**

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 Mail: congressundpresse@t-online.de

▶ Location

**THE SQUAIRE**

Am Flughafen  
 60549 Frankfurt am Main  
[www.thesquare.com](http://www.thesquare.com)

▶ How to get there

For detailed information on how to get to THE SQUAIRE, please click on the following link:

[www.thesquare-conference.com/anfahrt/bahn.html](http://www.thesquare-conference.com/anfahrt/bahn.html)

▶ Hotels

For information regarding the booking of hotels, please check our website.



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