



Technical building equipment made by HA-  
CON INTERPLAN, which means resource a-  
ware, effective, sustainable and comprehensi-  
ve intelligent in dealing with energy, light, po-  
wer, and all the elements

*Stephan Kavan*



Berlin August 2021

Hello,

my name is Stephan Haas. I am the managing director of the company, whose logos types you can see on the right. For some twenty years, we're working

as engineering and planning company in the business of technical building equipment, called TBE.

We all know the broadcaster CNN, NBC or BBC, they call it "breaking news", explaining us the world in a nutshell, short and fast. Here you can read our personal "breaking news".

HACON - INTERPLAN, now one company and a congruent philosophy. We understood, that we are not working for the technology itself, but for the people who live with the technology, or sometimes, they have to live with the technology, although they do not want.

The world of TBE (technical building equipment) is not an abstract world for us. It is a very specific world. Technology for the people who live with it, has to be useful for them. A technical structure, no matter what, whether the mega tower in arabia or the skating rink in Berlin, a technical structure to man is only really useful, if the technical equipment of the building will be really true. We can not accomplish anything alone. The 100% coherency, we are developing always together with the clients, the architects, the carriers and the operators. It's all just common with all those, who are involved in the project. Alone nothing works, everything runs in partnership only.



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Our mission requires, really to open our eyes. And it requires very accurate to look back. Unclear will quickly become clear and even complex problems will be manageable. TBE, that means we are moving into a sum of complex, non-linear, dynamic systems, that have a high sensitivity for small and very small deviations. Slightly modified conditions can quickly lead the course of the entire construction project, a significant change to their designs. Because it can happen quickly that suddenly some techni-



cal correlations give a diffused image, that we do not want. We then provide clarity. Diffuse? No, diffuse was yesterday. Today is HACON - INTERPLAN, "Technical Building Equipment" in "crystal clear", so to speak.



The British biologist Edward Lorenz called it the "butterfly effect". The wings of a butterfly, located in southern australia, can it set off a tornado in the central texas area? A smallest change of the energy design of a building, is able to set the cost planning of the building in question.



The intelligent, turbulence-free air conditioning systems, is it able to bestow the 5.star to the 4star-hotel ? What makes the "success" of a building? When is a house "successful"? Is a museum successful, if as many exhibits are gathered there? Is the museum successful, if it looks pretty? Success of a building needs more than a sum of building conditions. Success means especially: Perfect technical building equipment, perfect TBE.

When is an ice rink or a "kindergarten" successful? For instance, when the children like to go there? Or rather, if the body of the museum, the skating rink or the kindergarten will run sustainably clearly with its costs?



We at HACON - INTERPLAN, we note in the planning and development of technical building equipment especially that, which ostensibly more "boring" than and "long known" comes along.

With our work buildings often receive a completely new dimension.

Certainly we tread also quite unusual ways, such as the ISS Astronaut Steve Robinson does for NASA, is because, we just like Steve Robinson track and extraordinary goals. The goal of an excellent energy balance of a building motivated us, to turn our heads and not only think, but to think ahead. In the choice of methods of our thinking, we are little squeamish and not afraid, but always damn creative. And



should it be, that our thinking ahead needs more manpower, then we fall back to around 180 employees of the "Planner Alliance", in which we are involved as a shareholder.



In all technical tinkering and technical sophistication we still follow our consistently great model: The nature. Nothing is more effective, nothing is more simple and more clear, nothing is technically as perfect, as nature itself. TBE made by HACON - INTERPLAN, which means resource aware, effective, sustainable and comprehensive intelligent in dealing with energy, light, power and all the elements .



Old - fashioned virtues, such as diligence, decency and fairness are neither old - fashioned nor "out" for us. We live these old



hanseatic virtues. "Yes" from us means "yes" and not "Maybe". In HACON and INTERPLAN is the predicted level and the level - intended one and the same. Yes, we always say, what we mean. Yes, we like to talk to people, not about people. Yes, we are living, what we are formulating here, day by day.

The most important thing, however, you find not in our "breaking news". The most important thing is just sitting in front ... you ... !!!

I'd made you curious? Well, that was my intention.

With best regards from Berlin ...

yours kindly

*Stephan Haas*

more you get here ... click it

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Now it becomes truly technical, in the building services. Important, of course, for our experience and references, namely those projects, that we had planned and built.

"breakungnews" have to be short. So therefore you can only find a "tear-out" of our experience. Here you will see some of our references. The rest of our more than 200 projects, you should read at [www.hacon-interplan.de](http://www.hacon-interplan.de)

The fact is, that you see next to some famous buildings in Asia and Arabia also several West German "DAX values" for that we are very pleased. At this flyer we deliberately have thrown together "bit of everything". You will find the most spectacular megatower right next to the elementary school in southern Brandenburg. Not all listed references used photos. This was simply the lack of space. And now, have fun increase your views and insights of HACON - INTERPLAN.

**Old Castle at Stuttgart.** The HACON - INTERPLAN planned and supervised extensive remodeling and renovation work of this, in its foundations, more than 1,000 years old building, especially under the aspects of preservation.



The Old Castle of Stuttgart is located in the center of Baden Württemberg state capital.

**Audi Automobile AG Neckarsulm.** With an area of 200 meters to 60 meters and a height of about 20 meters, the paint area from Audi is one of our larger projects. For planned areas of about 48,000 square meters, very systemic and integrated planning was required. Anything and everything was correlated in this HACON - INTERPLAN job, here somehow and somewhere



there, with everything. It went to air conditioning, refrigeration, smoke extraction and distribution.

We planned the safety engineering and instrumentation engineering and completed the planning of sanitary areas and their connection to the plant supply. The coordination and integration of systemic floor technology was just our job, as some simulations. All in, it was, of course, especially the coating rates. By the rapid movement of body shells through each lacquered stages to the clear coat sealant. The timetables of these different projects had been very close, the demands extremely high, typical Audi. The HACON - INTERPLAN in this job worked for a premium customer of the 1 League, so we delivered premium performance for the first League also. The photo shows the way of finished painting in action at the second lacquered stage of an Audi Q 3

**Bizerba Waagen GmbH & Co.KG Vienna.** HACON - INTERPLAN planned the entire construction of the new administrative building of Bizerba GmbH in Vienna / Austria. Here was a floor area of about 5,000 sqm be equipped with TBE.

**BSA Bizerba Software GmbH Bochum.** From Vienna coming, going to Bizerba Bochum. HACON - INTERPLAN continued the same at Bizerba Bochum. We planned an administration building with a floor area of approximately 3,000 sqm.

**Bundeswehr in Doberlug.** At this location, the HACON - INTERPLAN, was creating a concept for a hightech tank painting machine. Especially the tank „leopard“, which are in daily use in the practice area to enormous stresses. So the early new painting often will be required. We developed the concept and planning to the extremely complex technique for this painting machine area.



**Crete Oil SA.** Heraklion, Crete: But the taste will decide on the subjective perception of quality of olive oil. HACON - INTERPLAN developed, precisely the technology, that is needed to design complex thermal processes in the olive pressing. Recognized as the world's best olive oils, coming from the island of Crete.



**DaimlerChrysler Moscow.** In the Russian capital, a training center and a logistics center was built with an area of approximately 14,000 sqm.

HACON - INTERPLAN was responsible for the planning of building services, air and heat included.

**Daimler Chrysler Nuremberg/Bavaria.** In Furth near Nuremberg, the new logistics center of Daimler-Chrysler AG with an area of about 25,000 square meters, was built. More than 22,000 square meters were needed for an extension to the existing office space. The INTERPLAN Ltd. was responsible for the all in planning of building TBE.



**Diaconal Academy in Berlin.** In the Foundation "Schoenholzer Heide" located at Berlin Pankow, as a carrier of the local Social Service Agency Academy, HACON - INTERPLAN renovated the building, large lecture halls, the classrooms and the boarding area.

**Social Service Agency of the Evangelical Lutheran Church of Mecklenburg Vorpommern.** HACON - INTERPLAN completed the technical building equipment for the new center for old assisted living care in the community of Rostock.

**Stuttgart Airport.** Two hangars and the terminal of general aviation (GA Terminal) were planned by HACON - INTERPLAN, in all technical areas. The general aviation refers to the private aviation with corporate jets, and private aircrafts. Architecturally, the building set very special accents. We made sure, that the building of the VIP lounges, the briefing areas and the crew Rooms works perfectly. HACON - INTERPLAN planned especially cooling, air conditioning and heating technology.



**Heart Center Lake Constance.** On the grounds of hospital of Constance was born the "Heart Center Lake Constance II" one of the most modern specialist clinics for cardiology, cardiac and vascular surgery. Within just one year 12,000 sqm OP rooms and treatment facilities were built in considerable architecture. 11,000 sqm existing buildings were renovated at



the same time. The special challenge for us, HACON - INTERPLAN was the variety of technical systems, that had to interact with each other and more with each other. We draw also responsible for the 400 KW cold supply and the connection to the district heating of the city of Constance.

**Humboldt Forum in Berlin.** „HACON - INTERPLAN assumes technical controlling to probably the biggest construction site in Berlin“ was the headline in August 2009 in the Berlin News. HACON - INTERPLAN had successfully set against a thoroughly serious German competition nationwide and also against some international competitors. HACON - INTERPLAN was nominated to this mega project for the entire technical controlling of building services. On 2nd of July 2002 the German Bundes-tag blessed the 550 million EUR project. On 4th



of July 2007, the Federal Government of Germany agreed to the construction of the forum and was freeing the way for the international competition for the architectural competition also. On the Palace Square in the center of Berlin, the Humboldt - Forum will be a forum for art, culture and science. HACON - INTERPLAN had accompanied the project Humboldt Forum least of a period of eight years. HACON - INTERPLAN have had become "Chief Controller" and thus ensured compliance with all technical requirements of the entire TBE.

**Jin Mao Tower Shanghai.** At Shanghai the 436 meters high "Jin Mao Tower" is located. The "Grand Hyatt Shanghai Hotel" inhabited the floors 53 to 87 in the heart of Pudong, Shanghai's Wall Street, so to speak. HACON - INTERPLAN



planned and developed for the Jin Mao Tower Group an entirely new, alternative approach to air turbulence-free air conditioning in the office areas. The Jin Mao Tower is designed as a so-called "hollowbody tower", a hollow tower. Together with our swiss network partners, we developed the intelligent "B.O.M.S.", the bathroom odors management system. It is able to make turbu-

lence-free and completely odorless air conditioning. The climate is right, in this mega - hollow tower.

**Hospital Elbe Elster GmbH.** One of the clinics of the district Elbe-Elster is located at Finsterwalde. HACON - INTERPLAN completed the renovation of several technical areas, intensive care and operating theaters included. In each hospital stands and falls each technique with the complex and diverse demands of hygiene to aseptic and draft-free surgical rooms. HACON - INTERPLAN does it right.



**Landkreis Elbe Elster.** During the construction of the head office of the public transport of the district Elbe - Elster in southern Brandenburg, HACON - INTERPLAN recorded, for the entire technical building equipment.

**Messe Erfurt GmbH.** HACON - INTERPLAN planned the entire building for the new Fair Center. Halls, foyers and exhibition center, which includes an area of about 25,000 sqm. We had been responsible for electricity, water, sewage, air conditioning, ventilation and heat.



**Mettler Instrumente GmbH.** In the head office of Mettler Instrumente GmbH in Giessen HACON - INTERPLAN planned and implemented the technology of the production halls, the high-bay warehouse technology and structural engineering renovation of the administration building.

**Museum of Photography in Berlin.** It is particular the nature of photographic exhibitions, that they require quite a connatural conditions for themselves. Photo papers, particularly older ones, are very sensitive. Since everything has to be right, of the precise metered air temperature to the precise control of room humidity. HACON - INTERPLAN does so.



**Music Instrument Museum Berlin.** The museum, founded in 1888, houses more than 800 musical instruments, including truly unique and irreplaceable, some million-dollar exhibits, of the



Stradivari violin, the first Wurlitzer theater organ to the original wing of Carl Maria von Weber. One can imagine how demanding and diversified is representing the building of such a house, it will be not easy. For with the daily guided tours, the instruments can be heard actually be played and deposits and small concerts are becoming commonplace. Since it was by our engineers, the engineers of the HACON - INTERPLAN, demanded everything from the perfect climate engineering to precisely adjustable, relative humidity up to audio technology.

**Neff GmbH.** HACON - INTERPLAN planned the production and administration building in Bretten at Heidelberg area. The point was the re-organization and powder coating of approximately 12,000 square meters of floor space.

**Philharmonie Berlin.** The Berlin Philharmonic Hall was designed in the 60s by the Berlin architect Hans Scharoun († 1972). At the same time he also built the Prussian State Archives, at opposite site of the Philharmonic Hall. The Philharmonic Hall, for that time a very futuristic con-



struction, was inaugurated in 1963. The HACON - INTERPLAN planned in 2013 the house technically, the entire backstage, work and guarded the top area of the Philharmonic as part of a comprehensive renovation of the 50 year old building.

**Porsche Museum Stuttgart.** The most complex and most spectacular building project that Porsche ever had commissioned, opened on 31. January 2009 in Stuttgart Zuffenhausen its doors to the visitors: The Porsche Museum. About EUR 100 million, the sports car manufacturer has let free for the 5,600 square meters of exhibition space. The HACON - INTERPLAN was responsible for the planning of building services.



Specifically, we planned the chilled ceiling and displacement ventilation, the plants and district heating supply and use while the principles of adiabatic cooling. That means, cooling only by air and by water. Exciting details on this prestigious project, please visit our homepage [www.hacon-interplan.de](http://www.hacon-interplan.de).

**Provincial House of the Sisters of Mercy of the Holy Cross.** In Allen's creek, in the district of Hegne, directly by the lake of Constance. HACON - INTERPLAN got the order, to renovate this old house, founded in 1608. The renovation and reconstruction of several wards in the hospital of the convent of the Sisters of Mercy was our Job.

**Robert Bosch GmbH.** Just around the corner, so to say, in Stuttgart Germany at the Schillerhöhe, our client resides, Bosch. HACON - INTERPLAN completed BOSCH's planning of the entire HVAC and planning for the area of technical gases.

**Royal Clock Tower Makkah.** With 602 meters height of the clock tower of the Abraj Al Bait in Makkah, the building is six times higher than the Big Ben in London, who served the architects as



a model for the Arab Clock Tower. At present, the tower is the third tallest building in the world. On behalf of the German general planner SL- Rasch GmbH Special to Lightweight Structures in Leinfelden Echterdingen, HACON - INTERPLAN was responsible for the project management of building services and planned the TBE equipment for the project of the Royal Clock Tower. The

floors of 400 meters to 602 meters spire in height was our responsibility. The multifunctional use of this mega building, up to 8 conference centers, established by the prayer rooms,

the 858 rooms of the Fairmont Hotel, so extreme demands on engineering had been required. In particular, under climatic conditions at Makkah related: It's hot, it is very hot. In March, about 35 degrees celsius, in september around 45 degrees celsius. Find out more on our website [www.hacon-interplan.de](http://www.hacon-interplan.de)

**Singer City Center Finsterwalde.** The shopping center "Singer City Center" in Finsterwalde, required planning variety and technical complexity, but rather belonged to the experienced



projects of HACON - INTERPLAN, which has very considerable planning experience. While shopping centers are actually very complex in the specific building services, on balance, but from center to center quite comparable, the overall design of the TBE.

**Santiago de Chile.** The capital city in the andes, founded in 1541, has included the suburbs around 8 million inhabitants. HACON - INTERPLAN, since many years, is advising one of the the leading south american food distributors about to optimize their thermal proceeding in food production areas.

**The ice rink at the City of Berlin.** The artificial ice rink in Berlin Neukölln had quite other significant requirements. For example of planning: We had to deal with more than 10 tons of highly toxic ammonia. The HACON - INTERPLAN completed for this exciting construction projects



all technology planning, including the renovation of the sports- and club houses.

**City of Finsterwalde.** HACON - INTERPLAN does the complete renovation of the elementary school north of the city of Finsterwalde, in southern Brandenburg. HACON - INTERPLAN was

responsible for the entire Building Services in TBE.

**Stockton Oil Cal. USA.** The Olive Oil Experience of HACON - INTERPLAN from the isle of Crete formed the innovative platform in Stockton, Cal. USA. A lot of technical and thermal Processes involved in olive pressing in the way to optimize the production of 1st. class premium oil. Our customer earned a lot of quality awards for „best olive oil of USA“ and some worldwide awards for best taste.

**University of Halle / Wittenberg.** At the prestigious Martin Luther University in Halle / Wittenberg HACON - INTERPLAN planned the OP areas for the clinical hematology ontological stati-



on for bone marrow transplant surgery. Specifically HACON - INTERPLAN planned and established 24 sickrooms at highest standards to intensive care and international quarantine requirements for bone marrow transplantation surgery. A particularly important topic was the "clinical cleanroom technology". Fine for our customers: We have first-class experience in the planning and establishment clinically clean room technology.

**Condominium solar arc Stuttgart.** A total of originated 21 apartments of the upper luxury class at a great location at Stuttgart Feuerbach. HACON - INTERPLAN as responsible for planning of this condominium in very extra class tier in TBE.



... And so on ... and so on ... I have now aroused your curiosity? That was my intention.

With best regards from Berlin ...

Yours kindly

HACON - INTERPLAN GmbH  
Pariser Straße 47  
10179 Berlin - Wilmersdorf  
Germany  
Fon: +49 (0) 30 - 889 1728 -0  
fax: +49 (0) 30 - 889 1728 -2

HACON - INTERPLAN GmbH  
Wilhelm Liebknecht Straße 1  
03238 Finsterwalde  
Germany  
Fon: +49 (0) 3531 - 6088 -0  
fax: +49 (0) 3531 - 6088 -11

e-mail:

[info@hacon-interplan.de](mailto:info@hacon-interplan.de).

[www.hacon-interplan.de](http://www.hacon-interplan.de)

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last update: 2021.08.20