

# today

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IDEM 10<sup>th</sup> International Dental Meeting • Singapore • 13-15 April 2018



### Inside today

You will find an overview about IDEM Singapore, new developments and trends in the world of dentistry as well as information on dental products and the industry.

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### Silver Wave Symposium

An interview with IDEM presenter Prof. Hien Ngo about the concept of "lifelong oral health" and the major demographic change in ASEAN countries.

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### Dental products in focus

IDEM Singapore will be an excellent opportunity to see the most up-to-date technologies and achievements in the field of dental medicine.

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■ Yesterday, the tenth IDEM was officially opened in Singapore. The mainstay of the show is its exhibition, which is this year featuring close to 500 companies from every segment of the dental industry. Manufacturers, distributors and traders are showcasing their latest products and services, and opinion leaders are sharing their knowledge in lectures and workshops at the Suntec Singapore Convention and Exhibition Centre.

Co-organised by Koelnmesse and the Singapore Dental Association, Asia-Pacific's cornerstone event in dentistry is expected to attract approximately 9,000 attendees from over 80 countries over the course of the three days. The exhibition floor is hosting 13 national pavilions and 504 exhibitors from 38 countries. Both leading manufacturers such as Dentsply Sirona, GC Asia, and Colgate, as well as new companies such as Bio3 Implants, GiGATT International Marketing, and Boz Tibbi Malzeme Sanayi ve Ticaret, are present at the exhibition with their newest offering for the exciting Asia-Pacific dental market.

"The dental market in the region has seen steady growth and according to predictions will continue to expand. This growth can generally be attributed to the rising middle class that is increasingly demanding more and bet-

## World of dentistry focuses on IDEM Singapore

Tenth edition officially opens at Suntec Singapore Convention and Exhibition Centre



\* IDEM Singapore, a specialised dental trade fair with an accompanying congress for dental professionals, has developed since its premiere in 2000 into an important dental event in the Asia-Pacific region. © Koelnmesse

ter quality dental treatment. We work closely with our partners at IDEM to identify the latest products and trends that will enhance the knowledge of

dental practitioners to drive the industry forward," said Mathias Küpper, Managing Director of Koelnmesse Pte Ltd.

Besides the exhibition, a diverse scientific programme awaits congress

attendees. This year's theme of "Striving for clinical excellence" in dentistry focuses on key trends, including teeth and implants for life, oral health in the growing elderly population in Asia, digital workflows within the team and the caries prevention plan.

Dr Kuan Chee Keong, Chairperson of the IDEM 2018 Committee, added: "People in Asia-Pacific are increasingly paying more attention to their oral health and, indeed, their overall well-being. As a result, dental practitioners have now shifted from an approach that focuses primarily on restoration and prevention to a more holistic approach. In other words, people no longer are satisfied with good dental outcomes, but demand enhanced aesthetic results as well. Speakers at IDEM such as our SDA Masterclass Speaker Dr Galip Gürel and other top-quality speakers will address these trends and discuss revolutionary treatment solutions."

Up-to-date information can be obtained via the IDEM Singapore app, which features a floor plan, an exhibitor list and details about conference sessions. The app is available free of charge for iOS and Android and can be downloaded free from the App Store and Google Play. ◀

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## "IDEM is a unique meeting point for sharing ideas and visions"

An interview with Planmeca Vice President of Sales Jouko Nykänen



■ Finland-based manufacturer of high-tech dental units, CAD/CAM products, 3-D digital imaging devices and software Planmeca has participated at IDEM for many years. This year, for the tenth edition of the event, being held from 13 to 15 April, Planmeca has returned to Singapore to exhibit at one of the largest shows in South East Asia. *today* international met with Planmeca Vice President of Sales Jouko Nykänen to speak about the company's new products and the Asia-Pacific region as a growth area for business.

### today international: What are your expectations for IDEM 2018?

**Jouko Nykänen:** For us, IDEM is a key event in South East Asia and a unique meeting point for sharing ideas and visions. We are always enthusiastic about strengthening and further developing our partnerships with existing customers, distribution partners and academics. Of course, we also want to

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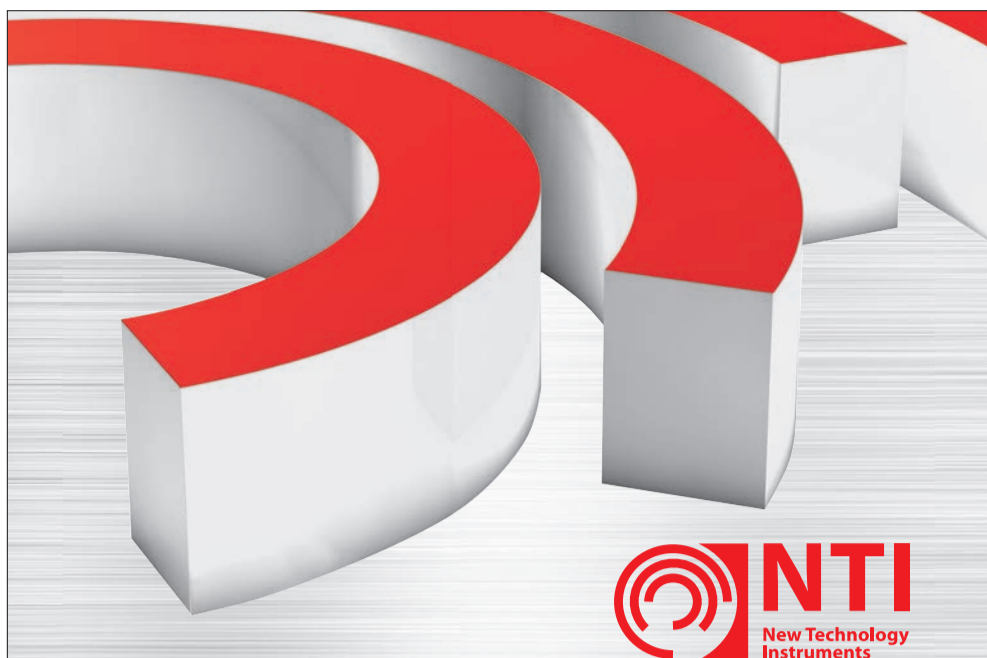
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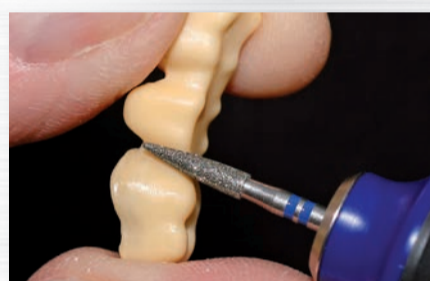
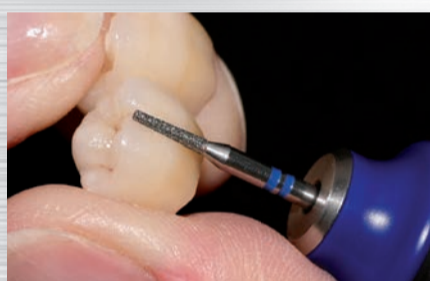
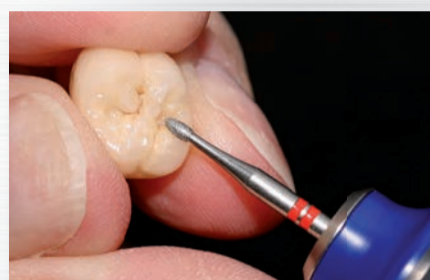
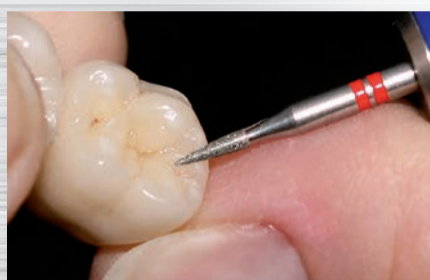
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\* Planmeca Emerald intraoral scanner. © Monique Mehler/DTI

### today ← 1

create new contacts and spread our message, as well as learn how we can serve customers in the region even better.

We have been very happy with IDEM over the years. It has brought us excellent contacts with distributors in the area, and we have also seen more and more customers travelling to the exhibition from different countries in the area. With one visit, we can actually gain a great deal of insight into the entire South East Asian region.

### What will Planmeca's highlight product at IDEM be? Do you have any new product launches planned?

Our main focus at IDEM is on our excellent software platform, Planmeca Romexis. It has evolved into the most versatile and comprehensive platform available for handling clinical work, diagnostics, equipment control, clinic management and even business control. Planmeca Romexis is also scalable and easy to use and thus suitable for the smallest clinic to the largest university.

Romexis software, regardless of application: 2-D and 3-D diagnostics and analyses, intraoral scanning, CAD, and even milling and 3-D printing. Everyone talks about integration these days, but few can actually implement it at this level. Planmeca Romexis offers true integration for creating easy, practical workflows for all situations.

### Based on your previous experiences at IDEM, how important is the Asia-Pacific region for Planmeca?

During the recent decade, we have already established our presence in the largest Asian markets, such as China and Japan, with India also on a very strong track. Now our focus is also heavily on South East Asia owing to its growing importance. If one looks at the population base, South East Asia is a very interesting region and holds a great deal of potential—comparable to approximately half that of mainland China, for example. However, we must adapt to each specific market in the region and localise our offering, services and message. We are currently strengthening our presence in the region, as we want our local team

**“...our focus is also heavily on South East Asia owing to its growing importance...”**

Our high-quality 3-D imaging range continues to expand, and CAD/CAM is also a hot topic in dentistry today. At IDEM, we are proud to present Planmeca Emerald, our new, superfast, accurate and lightweight intraoral scanner. It has set a new benchmark for intraoral scanning and can be used as part of many different workflows.

We want to show how all our products can be linked with each other in practice utilising our single software platform's seamless integration. The entire treatment workflow can be fully controlled and completed in the same Planmeca

to be closer to our distribution partners and, of course, end-user customers.

### Where can IDEM attendees find your booth? And do you have any fun booth activities planned that you would like to invite congress-goers to?

Our booth number is 4D-01. Its fresh and friendly design is brightly visible. Both our local team and our team from Planmeca's headquarters are present and are very eager to meet and serve all IDEM attendees. I expect much fun throughout the show! ◀

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# “The oral environment becomes more hostile with age”

An interview with Prof. Hien Ngo

■ Professor Hien Ngo has extensive experience in private practice, research and education. Over the last 30 years, he has been active as an international speaker on cariology, minimal intervention and restorative dentistry. At present, his focus in research revolves around the clinical management of caries, especially in elderly and medically compromised patients and the interactions between glass ionomers and the oral environment. *today* had the opportunity to speak to him prior to his presentation at IDEM 2018 in Singapore about the concept of “lifelong oral health” and the major demographic change in ASEAN countries.

**today international: The term “lifelong oral health” was used by the FDI World Dental Federation in one of its policy statements. What does it mean?**

**Prof. Hien Ngo:** Previously, edentulous among older individuals was accepted as a norm. However, with

recent advances in preventive and restorative dentistry, the FDI stated, “The goal of reaching old age with a full set of teeth is feasible if preventive measures and oral healthcare are accessible throughout life.”

The key term here is “throughout life” because a good oral health foundation in childhood is the key determinant of oral health at a later stage in life.

Lifelong Oral Health was the title of a policy statement that was adopted by the FDI General Assembly in August 2017. It identified the four pillars supporting lifelong oral health as oral health promotion, risk assessment, disease prevention and early diagnosis and intervention at all stages of life. These four pillars will form the framework for discussing clinical cases during the Silver Wave symposium at IDEM.

**There is a global phenomenon of population ageing on an unprecedented scale. What is the situation in South East Asia?**

Ageing is universal and there is no exception among ASEAN countries. It is expected that the percentage of the population aged over 60 will more than double in the next 30 years. By 2050, 2 out of 10 people in the region will be aged over 60. However, the pace of change is much faster in Singapore than in neighbouring countries. It is predicted that by 2050, 4 out of 10 Singaporeans will be over 60 while this ratio will be 2 out of 10 in Indonesia and approximately 3 out of 10 in Thailand and Vietnam.



▲ Prof. Hien Ngo

**What are the consequences of this demographic change for oral health professionals?**

If you are working in the private sector, it means that a higher portion of your clientele base will be older individuals and most of them will be dentate. As they belong to the baby boomer generation and were born between 1946 and 1964, they grew up during a period of rising living standards after economic prosperity, so their expectations are different from previous generations.

The Australian Institute of Health and Welfare proposed a broad classification for this group: active and

capable, limited activity and capability and very limited activity and capability. For the last two groups, you may need to modify your practice to allow accessibility, or there is the option of referring them to specialised public institutions and specialists.

For clinicians, the care pathways for elderly patients are more complex, as damage to their dentition is accumulative, so its manifestation is much more severe later in life. The oral environment also becomes more hostile with age. Root caries, which are rare in younger individuals, are common in the older patients.

When these conditions are coupled with either severe health or mental illness, then referral to a specialist in geriatric dentistry could be required. Gerodontology is now a recognised dental specialty; however, specialists in this field are still not common in ASEAN countries. The engagement of international bodies such as the FDI and WHO on the concept of lifelong oral health will encourage healthy discussions and policy developments to ensure that preventive measures and oral healthcare are accessible.

**What is happening in this field during the IDEM conference in Singapore?**

Singapore recognised the importance of this major demographic change and has made large investments to ensure that lifelong oral health is delivered to its population.

With the Silver Wave Symposium at IDEM 2018 on Saturday 14 April, there will be a full day dedicated to managing the ageing population and patients. Six international speakers and clinicians will be brought together to discuss the management of oral health issues, of the ageing population, and of older individuals. The day will start with discussions on the changes that were made in the public health and education institutions, then move on to clinical issues. The day will be clinically oriented and discussions will be patient focused. The symposium will be supported by The Silver Wave booklet, which will be distributed during IDEM. ◀

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# Why a precision-fit implant–abutment interface matters

An interview with dentist Prof. Matthias Karl



■ What factors should the clinician consider when choosing components for a restoration? One important aspect is whether the components have been designed and manufactured to work together as a precise system. *today* discussed this topic with Prof. Matthias Karl of Saarland University in Germany to learn more about why precision matters and the risks of overlooking it.

**today international: What are the consequences of using components that do not fit precisely?**

**Prof. Matthias Karl:** One runs the risk of damaging the interface of the implant and the abutment. I consider this as the most critical factor, and we see many of these cases coming into our clinic. In many cases, the implant has been in place for a very long time, but the restoration has since been replaced.

For example, perhaps a patient needed a single implant when he or she was 30 years old, but is now over 55 years old and needs a removable restoration. One has to exchange the abutment, and as the treating clinician, one wants to be sure that the implant itself is still OK and that there are



▲ Prof. Matthias Karl

no microfractures or other wear phenomena.

**Can clinicians check precision of fit for themselves?**

When we look at precision from a clinical perspective, then we have two choices intraorally to check for precision of a crown or of a restoration. We either use a probe, which shows a thickness of a couple of microns, and we try to find a gap somewhere. The second option is to use silicone as a medium to measure gaps or to gain an impression of a gap. To assess for gaps between the implant and the abutment, the explorer is basically useless, and one would not really insert silicone into the body of an implant. So one really has to rely on the manufacturer of one’s implant components. The manufacturer is able to determine what the gap might be

and what the tolerance might be, and what the tolerance is in the worst-case scenario.

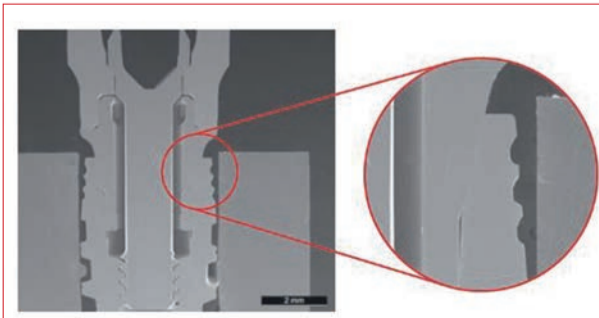
**How can a clinician be confident that an abutment is going to fit precisely on an implant?**

By choosing properly documented abutments. I haven’t had a single patient for whom the cost of the abutment or the prosthetic components would have led to the rejection of a treatment plan. This has never been the case throughout my career.

**What would you tell clinicians who are unsure about the best choice of a restorative component?**

Don’t play with the oral well-being of your patients. It’s not worth it. It’s not worth the pain. The patient will come back to your office and you’ll have to fix it.

In my opinion, it’s very important that clinicians understand that an implant is not just a screw that goes into bone. It’s the whole system. It’s the whole approach. One has to consider the quality of the implant, abutment, impression compound, laboratory components and restoration. One has to understand the whole workflow. It has to be perfect in order to have the best chance of a long-lasting restoration. ◀



▲ Perfect fit between abutment and implant collar. Forces are evenly distributed and uncontrolled peak stresses avoided. © Schüpbach Ltd

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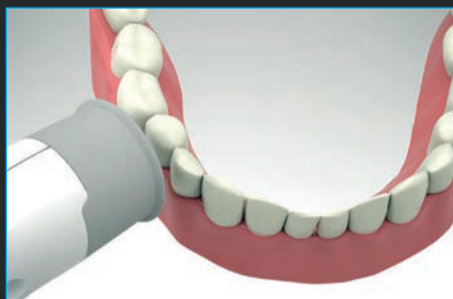


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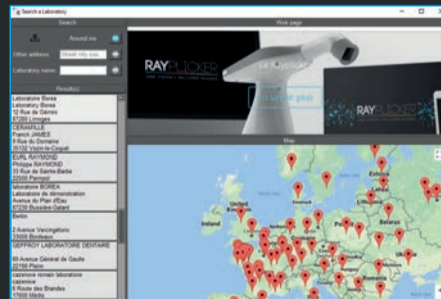
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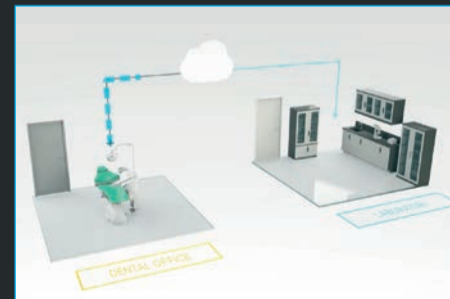
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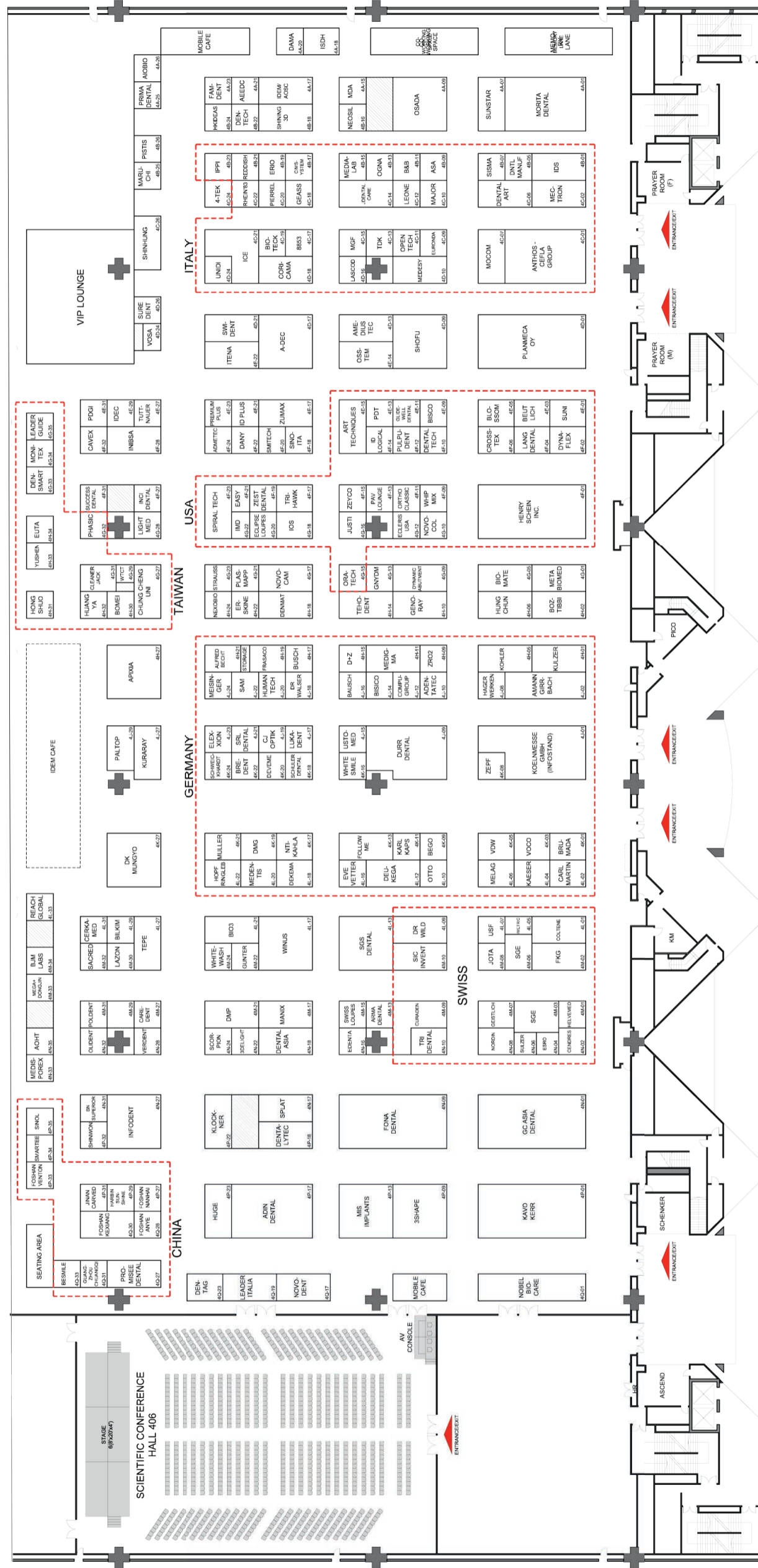
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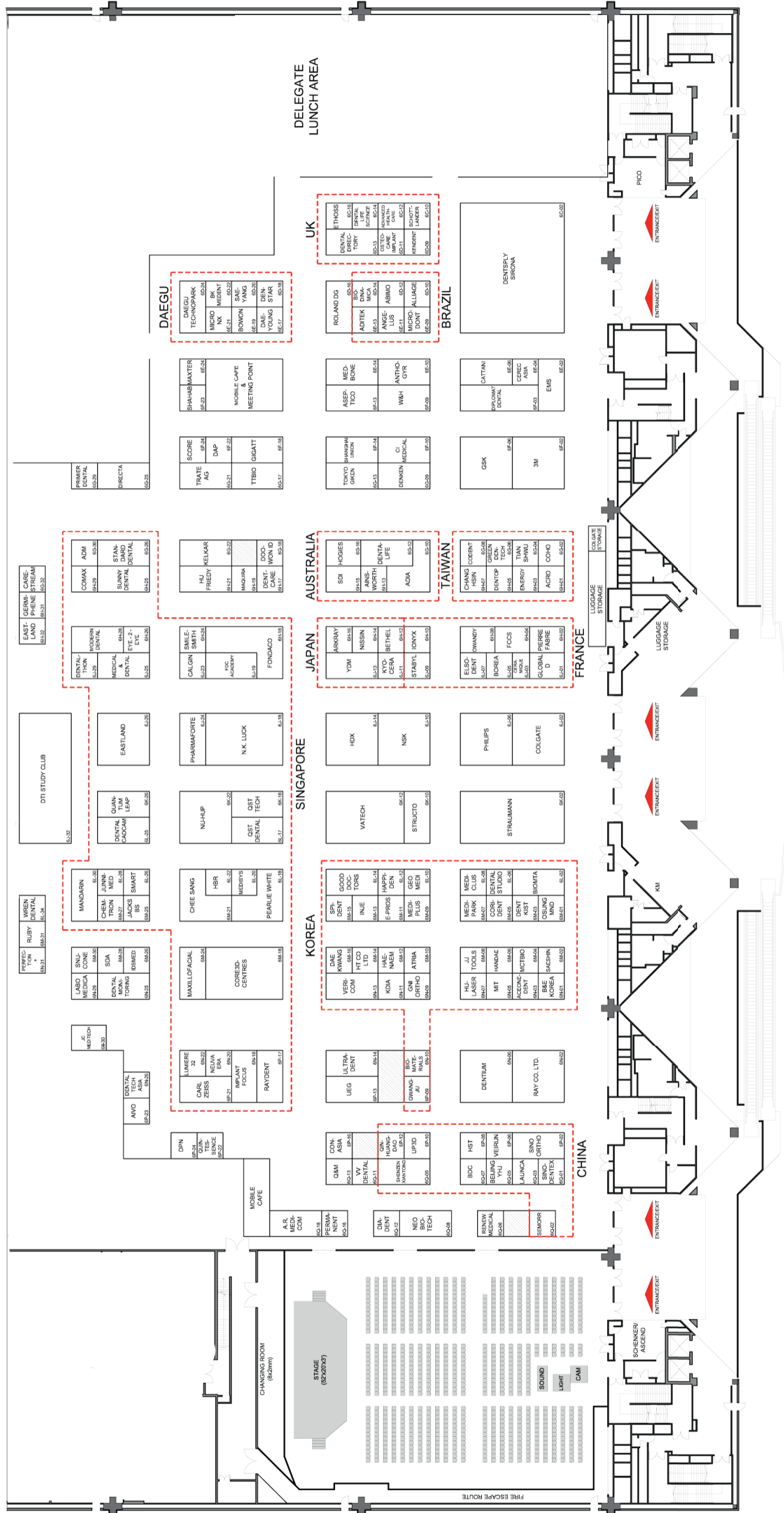
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