

# today



## Indhold i today *Inside today*

Du finder en oversigt over SCANDEFA 2015 samt nye udviklinger og tendenser i tandlægeverdenen. You will find an overview about SCANDEFA 2015, as well as new developments and trends in the world of dentistry.

»Side 2 »Page 2



## Dentalprodukter *Dental products*

SCANDEFA 2015 giver dig alle tiders mulighed for at se de allernyeste teknologier og landvindinger inden for dentalmedicin. SCANDEFA 2015 will be an excellent opportunity to see the most up-to-date technologies and achievements in the field of dental medicine

»Side 12 »Page 12



## Hvad sker *What's on*

Her er nogle tips til, hvordan du kan nyde dine ledige stunder i Danmarks pulserende hovedstad. Copenhagen offers something for nearly everyone. Here are some tips on enjoying your time off in the vibrant Danish capital.

»Side 15 »Page 15

## Highlights for de skandinaviske markeder *Highlights for Scandinavian markets*

SCANDEFA 2015 byder tandlægebranchen velkommen for 48. gang  
*SCANDEFA 2015 welcomes dental professionals for the 48<sup>th</sup> event*

Fra 16. til 17. april har tusinder af repræsentanter for tandlægebranchen i Danmark og det øvrige Skandinavien mulighed for at gå på opdagelse i en række spændende virksomheder og nye teknologier, når SCANDEFA 2015 igen slår dørene op i Bella Center. Mere end 150 lokale og internationale producenter og forhandlere har tilmeldt sig dette års udstilling i Skandinaviens største udstillings- og konferencecenter i København.

På Scandefa, som er en af de største messer i regionen, vil forbrugere kunne opleve det nyeste inden for dentalteknologi, -udstyr og -tilbehør på nærmeste hold. Producenterne har meddelt, at de fremviser en bred vifte af nyheder, hvoraf de fleste følger branchens tendens med strømlining af behandlingsprocessen for både patienter og behandlere. Producent af finisningsudstyr Planmeca vil for eksempel præsentere sin nye intraorale scanner PlanScan, der er designet til at muliggøre scanninger i realtid, som straks er tilgængelige på et tabletmedie og dermed giver et ubesværet arbejdsflow på klinikken (der findes en oversigt over systemet på side 13 i dette nummer).

For første gang i messens historie vil de besøgende også kunne opleve operationer live i Bella Center. Foruden rodresektioner vil tandlæge Jens Lætgaard og hans team demonstrere retrograde fyldninger, implantatindsættelser og flere metoder til fjernelse af visdomstænder i underkæben på stand C3-012. Datoer og tidspunkter kan findes i online kataloget på [www.scandefa.dk](http://www.scandefa.dk).

Traditionen tro anerkender SCANDEFA Award virksomheder, der enten har forbedret arbejdsforholdene i tandlægebranchen, fremmet behandlingsresultaterne eller øget behandlingssikkerheden for patienter på en dokumente-

ret måde. Dette års prismodtagere er den lokale virksomheds- og praksiskonseulent Krebs Ergonomi, der har som sin mission at forbedre ergonomien i det daglige arbejde i tandlægebranchen, samt den svenske distributør DentMan og det nystartede danske Cope it, som anerkendes for deres innovative app og pc-baserede løsning til støtte for patienter, der lider af tandlægeskræk. Prisoverrækkelsen vil finde sted torsdag den 16. april kl. 13:15 i pris- og lounge-område C2.

Sideløbende med messen holder den danske tandlægeforening sit Årskursus i Bella Center. Det videnskabelige program, som strækker

sig fra nye materialeløsninger til de seneste udviklinger inden for CAD/CAM-teknologier, præsenteres af en række anerkendte danske og internationale tandlæger. Over 10.000 tandlægefaglige personer forventes at besøge begge begivenheder.

Tilmelding til udstillingen er gratis og kan foretages på stedet. ◀

■ On 16 and 17 April, thousands of dental professionals from Denmark and the wider Scandinavian region will have the opportunity to discover a range of innovative companies and new technologies when

today »side 2



## Velkommen til SCANDEFA 2015 *Welcome to SCANDEFA 2015!*

■ Vi glæder os til at invitere dig til to spændende og inspirerende dage på SCANDEFA.

I mere end 48 år har vi skabt et forum for kunder og virksomheder og præsenteret et SCANDEFA med de nyeste trends indenfor dental udstyr, tilbehør og beklædning.

Åbningen af SCANDEFA 2015 markerer begyndelsen på årets store branche begivenhed. Besøgende vil møde mange interessante virksomheder klar til at give inspiration og professionel rådgivning.

Du kan også opleve live operationer på messen og møde vinderen af 2015 SCANDEFA Award.

Sideløbende med SCANDEFA, vil Dansk Tandlægeforening afholde kurser der fremhæver de nyeste teorier og tendenser indenfor

det dentale område. Torsdag den 16. april kl 17:00, er du inviteret til en »get together« med en lille forfriskning i C4.

Mød dine kolleger i en uformel atmosfære. Torsdag den 16. april holder vi en stor SCANDEFA fest. Læs mere og tilmeld dig festen via hjemmesiden [www.scandefa.dk](http://www.scandefa.dk).

Vi glæder os til at byde dig velkommen på messen.

Med venlig hilsen

**Linda Skytte**  
Sales and Exhibition Coordinator

**Mia Clement Rosenvinge**  
Sales and Exhibition Manager

■ We are pleased to invite you to two exciting and inspiring days at SCANDEFA. Bringing companies and customers together for more

than 48 years, SCANDEFA features the latest in dental equipment, accessories and apparel.

The opening of SCANDEFA 2015 marks the beginning of the year's big industry event. Visitors will discover a range of interesting companies ready to provide inspiration and professional advice. Attendees can also view live operations at the fair and meet the winner of the 2015 SCANDEFA Award.

Concurrent with SCANDEFA, the Danish Dental Association will hold its annual course, highlighting the latest theories and trends in the dental industry. On 16 April at 5 p.m. in Hall C4, visitors are all invited to a social event with delicious refreshments.

The SCANDEFA Party will also be held on 16 April and offers visitors the opportunity to meet colleagues in



•• Linda Skytte, Mia Clement Rosenvinge

an informal atmosphere. The event promises to be one to remember! Find out more and book your tickets for the party at [www.scandefa.dk](http://www.scandefa.dk).

We look forward to welcoming you to the fair.

Sincerely,

**Linda Skytte**  
Sales and Exhibition Coordinator

**Mia Clement Rosenvinge**  
Sales and Exhibition Manager



SCANDEFA 2015 opens at Bella Center in Copenhagen. More than 150 local and international manufacturers and dealers have registered for this year's exhibition at Scandinavia's largest exhibition and conference centre.

Visitors will be able to try out the latest in dental technologies, equipment and accessories at SCANDEFA, which is one of the largest trade shows in the region. Manufacturers will be showcasing a wide

range of innovations, many of which follow the industry trend of streamlining the treatment process for both patients and practitioners. Finnish equipment manufacturer Planmeca, for example, will be presenting its new intra-oral scanner Planmeca PlanScan, which was designed to offer real-time scans that are immediately available on a tablet device for an effortless chair-side workflow (an overview of the system can be found on page 13 in this edition).

For the first time in the history of the fair, visitors will be able to view live surgeries. In addition to root resections, retrograde fillings, implant insertions and removal of third mandibular molars will be performed daily by Dr Jens Lætgaard and his team at Booth C3-012. For dates and times, visitors are advised to check the schedule online at [www.scandefadk](http://www.scandefadk).

Traditionally, the SCANDEFA Award acknowledges companies

that have made it easier for dentists to perform an examination or treatment, advanced treatment outcomes or made treatment safer for patients in a new and proven manner. This year's nominees are local practice consulting company Krebs Ergonomi, which is committed to improving ergonomics in the working life of dental professionals, as well as Swedish distributor Dent-Man and Danish start-up Cope it, which will be awarded for its innovative application and computer-

based solution for patients with dental anxiety. The award celebration will be held on 16 April at 1.15 p.m. in the award and lounge area in Hall C2.

In addition to the trade exhibition, the Danish Dental Association is holding its annual scientific meeting at Bella Center. The scientific programme, which ranges from new material solutions to the latest developments in CAD/CAM technologies, will be presented by a number of well-known Danish and international clinicians. Over 10,000 dental professionals are expected to attend both events.

Registration for the exhibition is free and can be done on-site. ◀

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today SCANDEFA Scandefad vil være at finde på den 48. skandinaviske dentalmesse i København den 16.-17. april 2015.

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# Digitale aftryk er med til at gøre mig til en bedre tandlæge

## *Digital impression taking helps me be a better dentist*

■ Tandlæge Dr. Simon Kold fra Herning Implantat Center har arbejdet med TRIOS-scanneren siden 2011. Han har ingen planer om at vende tilbage til traditionel aftrykstaking. Dr. Simon Kold tror på, at hans præparationer og endelige resultater er blevet væsentligt bedre, siden han begyndte at arbejde med TRIOS. Teknologien har løftet hans forretning til nye højder. "Intraoral scanning hjælper mig til at give patienterne en bedre behandling", siger han.

### Hvad fik dig oprindeligt til at gå fra traditionel aftrykstaking til digitale aftryk?

**Dr. Kold:** Vores klinik har arbejdet med guidet implantatkirurgi siden 2005. Med fremkomsten af nye teknologier så vi et enormt potentiale i at kombinere digitale aftryk med CBCT-scanninger for at sikre en både nøjagtig og æstetisk implantatbehandling. Efter at have

afprøvet forskellige intraorale scannere på markedet fandt vi endelig det bedste valg, hvad angår konsekvent nøjagtighed og tilstrækkelig detaljerigdom i scanningen. I dag bruger vi 3Shape TRIOS digitale aftryksløsning til de fleste patienttyper.

### Hvad fik TRIOS til at skille sig ud?

Det var mest fordi, den er så nem at bruge. Med de mange andre intraorale scannere jeg afprøvede, skulle jeg holde min hånd fuldstændig stille under scanningen. Den mindste bevægelse fra patienten eller min hånd var nok til at gøre scanningen ubrugelig til klinisk arbejde. Så skulle jeg begynde forfra.

Med TRIOS kan du bevæge dig mere naturligt. Du kan stoppe og derefter starte scanningen igen fra samme sted, og du kan endda

scanne udvalgte områder om og sætte dem sammen til et komplet aftryk. Tilsammen gør det det langt lettere og hurtigere at få lavet et godt aftryk hver gang.

### Hvad med digitale aftryk og nøjagtighed?

Kort efter at vi begyndte at bruge TRIOS-systemet, udførte jeg en vellykket overkæberekonstruktion med 14 nye tænder, som alle var baseret på digitale aftryk. Både scanningen og hele arbejdsflowet med laboratoriet gik glat, og alle 14 tænder blev monteret uden nogen justeringer.

For en sikkerheds skyld tog jeg også traditionelle aftryk i løbet af processen. Senere sendte jeg af nysgerrighed det fysiske aftryk til laboratoriet og bad dem om at vurdere dets præcision i forhold til scanningen. Laboratoriet estimerede, at fejlkilderne var reduceret



med op til 70 procent. Selv det halve ville have imponeret mig.

### Var det nemt for din klinik at tilpasse sig den nye teknologi?

En ting, der overraskede mig, var hvor vilde alle var med at arbejde med den nye teknologi. Den gav helt klart personalets professionelle selvværd et boost. I dag kan jeg virkelig se, hvordan forandringen har gjort en forskel for vores klinik. At installere og anvende det digitale aftryksystem har udviklet os, gjort os bedre og flytter stadig vores forretning og karrierer i nye retninger. Teknologien har også fanget patienternes opmærksomhed: De stiller spørgsmål og virker imponerede. Jeg tror, de kan lide tanken om at blive behandlet af en topmoderne klinik med det bedste udstyr.

### Hvordan så indlæringskurven ud?

Vores personale har selvfølgelig skullet lære at scanne optimalt i specifikke patienttilfælde. Som med alle nye redskaber, bliver man dygtigere, jo mere man arbejder med det. Første dag vi fik systemet, scannede vi seks patienter i træk vejledt af 3Shape-eksperter.

Efter det var vi klar til at arbejde selv. Her på vores klinik scanner assistenterne lige så tit som tandlægerne, fordi TRIOS-systemet er så intuitivt.

### Om forfatteren

Tandlæge Simon Kold, ejer af Herning Implantat Center. Dr. Kold har læst ved Institut for Odontologi ved Aarhus Universitet sammen med sin kone, Louise. I 2006 startede de Herning Implantat Center, en henvisningsklinik for kirurgi, implantologi og større protetiske rekonstruktioner.

Centeret har i øjeblikket et dentallaboratorium og 18 ansatte, blandt andre en permanent narkoselæge og narkosesygeplejerske. Det har udført implantatbehandlinger i over 20 år. Dr. Kold er en efterspurgt og aktiv foredragsholder, som afholder seminarer ved førende tandlægefaglige events i hele verden.

### Hvad ser du, som erfaren bruger af intraoral scanning, som den største fordel?

Digitale aftryk har mange fordele, og nogle systemer omfatter enkelte funktioner, der går længere end blot det at tage aftryk. Med digital aftrykstaking undgår man generelt de usikkerheder og potentielle fejl, der kan følge med traditionel aftrykstaking og støbning i gips. Præcisionen bliver væsentligt højere. Der følger andre fordele med teknologien, herunder

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*Dr Simon Kold, owner of Herning Implant Center in Denmark. Dr Kold studied at the Department of Dentistry at Aarhus University with his wife, Louise. In 2006, they started Herning Implant Center, a referral clinic for surgery, implantology and major prosthetic reconstruction.*

*The centre currently has a dental laboratory and 18 employees, including a permanent anaesthetist and anaesthetic nurse. It has provided implant treatments for more than 20 years. Dr Kold is a popular and active lecturer, delivering seminars at leading dental industry events around the world.*

de ting, der kan gøres, mens man tager aftrykket, i stedet for som ekstra trin. Med TRIOS kan jeg for eksempel tage nuancemålinger, mens jeg scanner, og tage billeder i HD for at fange vigtige detaljer, der hjælper laboratoriet med at fremstille en bedre restaurering til mine patienter. Aftrykkets farver er utrolig livagtige, og jeg bruger således 3D-billedet til at drøfte behandlingen med patienten.

#### Gør digital aftrykstagning dig til en bedre tandlæge?

Det har altid været en udfordring at definere en tilstrækkelig præcis margen, og det stiller krav til tandlægens præpareringsevner. Nu synes jeg det er nemmere at vurdere kvaliteten af mine aftryk, fordi jeg kan se præparationen med det samme i 3D og på de HD-billeder, jeg tager med scanneren, mens jeg scanner.

Det komplette digitale arbejdsflow, som er muligt med TRIOS, gør os bedre til at levere den implantatbehandling, som repræsenterer vore kerneforretning. Sammen med CBCT-scanninger anvendes det digitale aftryk til virtuel planlægning af implantatpositioner, modellering af restaureringen og design af billige kirurgiske guides, der kan fremstilles på en 3D-printer. Den digitale metode gør os i stand til at tilbyde patienterne en guidet kirurgisk behandling, der er hurtigere og billigere, så flere patienter har råd til implantatløsninger.

#### Udgør teknologien en økonomisk fordel for patienten?

TRIOS giver os blandt andet den fantastiske mulighed, at vi kan fremstille modellfrie kroner i fuld zirkoniumdioxid og IPS e.max (Ivoclar Vivadent). Ved at den fysiske model springes over, bliver hele arbejdsflowet hurtigere og billigere og giver os et alternativ til konventionel kronebehandling. Dermed får mange patienter, der ellers ville have valgt kompositbehandling for at spare penge, mulighed for at få denne behandling.

#### Har du et godt råd til tandlæger, der overvejer digitale teknologier?

Ja. Du skal ikke vente! Se at komme i gang nu, så du har et forspring. Ja, det er en betydelig investering, men den sparer tid og udgifter og er ikke mindst med til at udvikle din kliniks omdømme, tandtekniske kunnen og forretningssucces. Sådan virkede det for os. Laboratorier og tandlægeskoler overalt er begyndt at uddanne teknikere i at favorisere CAD/CAM og arbejdsflow, der anvender digitale aftryk. Snart vil alle laboratorier og klinikker arbejde digitalt, fordi teknologien byder på så mange fordele. Sørg for ikke at komme bagud. ◀

*Redaktionel note: Dette interview blev bragt første gang i 3Shape News.*

■ *Dr Simon Kold from Herning Implant Center in Denmark has worked with the TRIOS scanner since 2011.*

*For him, there is no going back to traditional impression taking. Dr Kold believes that his preparations and final results have improved significantly since he started working with TRIOS. The technology has taken his business to new heights. According to him, "Intra-oral scanning helps me give patients better dental treatment".*

**What initially made you move from traditional impression taking to digital impressions?**

**Dr Kold:** *Our clinic has been working with guided implant surgery since 2005. With the emergence of new technologies, we saw huge potential in combining digital impressions with CBCT scans to ensure both accurate and aesthetic implant treatment. After trying various intra-oral scanners on the market, we finally found the best choice in terms consistent accuracy and adequate detail in the scan. Today, we use the 3Shape TRIOS digital impression solution for most types of cases.*

**What made TRIOS stand out for you?**

*It was mainly because it was so easy to use. With the many other intra-oral scanners I tried, I needed to keep my hand completely steady while scanning. The slightest movement, of the patient or my hand, was enough to make the scan useless for clinical work. I would have to start over from the beginning. TRIOS allows you to move more naturally. You can stop and then start up scanning again from the same place, and you*



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## SE HVORDAN DINE KOLLEGER LAVER AFTRYK

Imens du læser dette, er tusinder af dine kolleger allerede igang med at bruge vores 3D intraorale scanner med RealColor. Hvorfor...? Den gør ganske simpelt Deres arbejde bedre, hurtigere og lettere.



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can even rescan selected areas and merge them into a complete impression. All of this makes it much easier and faster to obtain good impressions every time.

#### What about digital impressions in terms of accuracy?

Shortly after we started using the TRIOS system, I successfully completed a maxillary reconstruction with 14 new teeth, all based on digital impressions. Both scanning and the whole workflow with the laboratory went smoothly and all 14 teeth were seated without making any adjustments.

To be on the safe side, I also took a traditional impression during the process. Later, out of curiosity, I sent the physical impression to the laboratory and asked them to assess its precision in relation to the scan. The laboratory estimated that the sources of error had been reduced by up to 70 per cent. Even half of that would have impressed me.

#### Was it as easy for your clinic to adapt to the new technology?

One thing that surprised me was how excited everybody was about working with the new technology. It clearly boosted the staff's professional self-esteem. Today, I can really see how the change has made a difference for our clinic. Installing and using the digital impression system has developed us, made us better, and is still moving our business and careers in new directions. The technology has caught the attention of patients as well: they ask questions and seem impressed. I think that they like the idea of being treated by a top modern facility with the best equipment.

#### What was the learning curve like?

Naturally, our staff had to learn how to scan optimally for specific cases. Like any new tool, the more you work with it, the better you get. The first day we received the system, we scanned six patients in a row with 3Shape experts giving instructions. After that, we were ready to work on our own. Here at our clinic, assistants scan as often as dentists because the TRIOS system is so intuitive.

#### As an experienced user of intra-oral scanning, what do you see as the key advantages?

Digital impression taking offers many advantages, and some systems include a few benefits that go beyond just taking an impression. In general, digital impression taking avoids the uncertainties and potential errors that can come with traditional impression taking and casting in plaster. Precision becomes significantly higher. There are other advantages that come with the technology, including the things that can be done while taking the impression rather than as extra steps. For example, with TRIOS, I can take shade measurements as I scan and snap high-definition photographs for capturing important details that help the laboratory fabricate a better restoration for my patients. The impression's colours are amazingly lifelike and I thus use the 3-D image to discuss treatment with patients.

#### Does digital impression taking make you a better dentist?

It has always been challenging to define an adequately precise margin

and this places demands on the dentist's preparation skills. Now I find it easier to assess the quality of my impression because I can see the preparation right away in 3-D and in the high-definition photographs that I take with the scanner while scanning.

The complete digital workflow that TRIOS enables makes us a better provider of implant treatment, which represents our core business. The digital impression merged with CBCT scans is used to virtually plan implant positions, model the restoration, and

design low-cost surgical guides that can be produced by a 3-D printer. The digital method enables us to offer patients guided surgical treatment that is faster and cheaper so that more patients can afford implant solutions.

#### Does the technology have any cost benefits for patients?

One great option with TRIOS is that we can make model-free crowns in full zirconium dioxide and IPS e.max (Ivoclar Vivadent). Skipping the physical model makes the whole workflow

faster and cheaper, giving us an alternative to conventional crown treatment. This allows a large number of patients, who would otherwise have chosen composite treatment to save money, to have this treatment.

#### Do you have any advice for dentists still considering digital technologies?

Yes. Don't wait! Start now so that you are ahead of the game. Yes, it is a significant investment, but one that saves time, costs and most signifi-

cantly will help develop your clinic's reputation, dental skills and business success. That is how it worked for us. Laboratories and dental schools all over are starting to train technicians to give preference to CAD/CAM and workflows using digital impressions. Soon, all laboratories and clinics will be working digitally because the technology offers so many benefits. You do not want to be left behind. ◀

Editorial note: This interview first appeared in 3Shape News.

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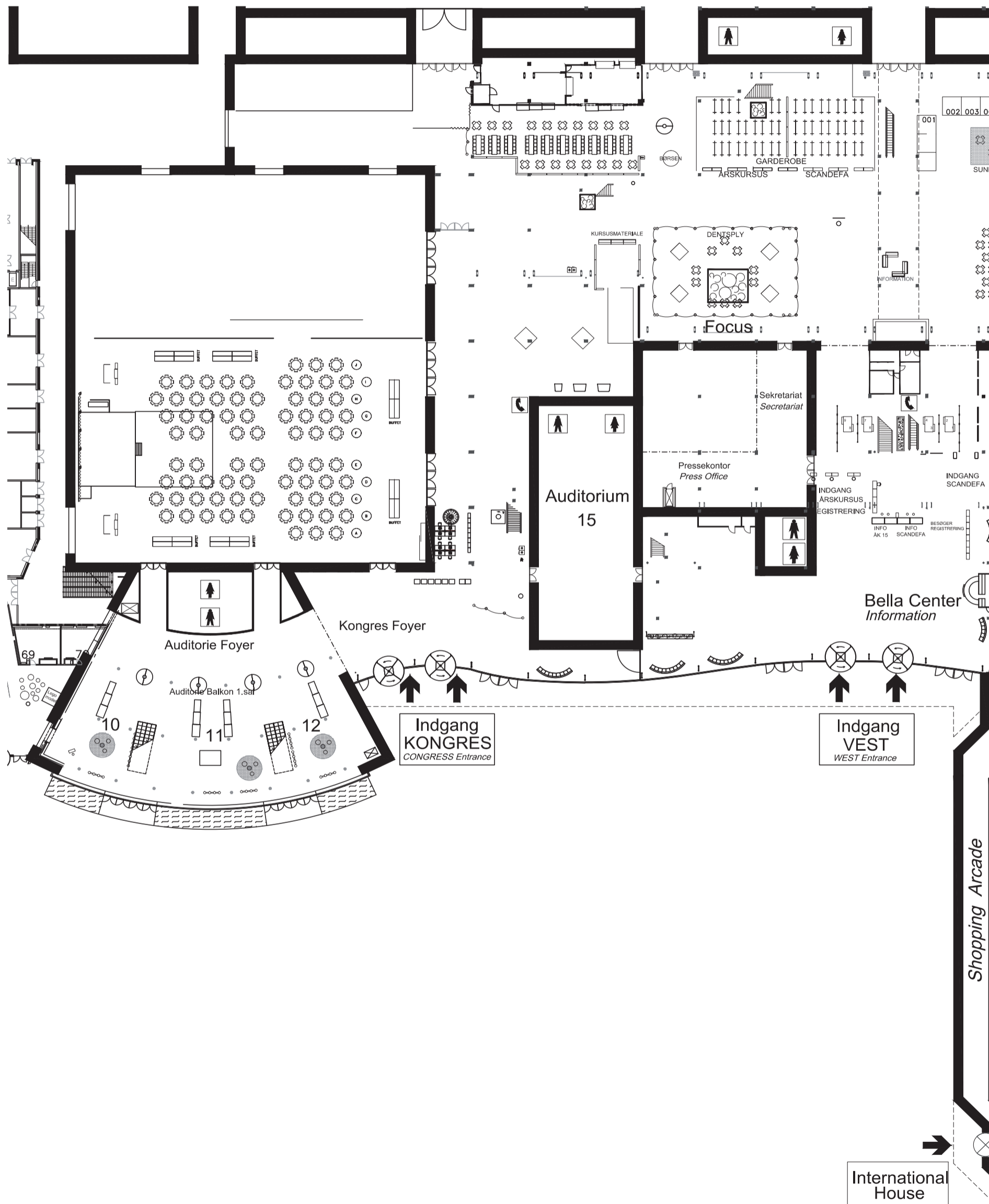
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