Copenhagen proposal to host
ITA-AITES 2015 World Tunnel Congress
Table of Contents

1. Welcome to ITA-AITES 2015 World Tunnel Congress ......................... 5
   1.1. Invitation letter .................................................................................. 6
   1.2. The Essentials ................................................................................... 8
   1.3. Proposed Congress Programme ......................................................... 9
   1.4. Training Tunnelling Course ............................................................. 11

2. Letters of Invitation, Support and Endorsement .............................. 12
   2.1. Ministry of Transport ....................................................................... 13
   2.2. Lord Mayor of Copenhagen ............................................................ 14
   2.3. Femern A/S ..................................................................................... 15
   2.4. Metroselskabet ................................................................................ 17
   2.5. Nordhavnsvjej ................................................................................ 18
   2.6. Confederation of Danish Industry .................................................... 19
   2.7. The Danish Construction Association ............................................... 20
   2.8. DIS Congress (PCO) ........................................................................ 21
   2.9. SAS / Star Alliance .......................................................................... 22
   2.10. Wonderful Copenhagen – Convention bureau ............................... 23
   2.11. Concessions – special support for ITA-AITES ................................. 24

3. Copenhagen underground ..................................................................... 25
   3.1. Tunnelling in Denmark - overview .................................................. 26
   3.2. Fehmarnbelt Fixed Link .................................................................... 28
   3.3. Cityringen, Metroproject .................................................................. 30
   3.4. The new railway line Copenhagen – Ringsted ................................. 33
   3.5. Northavnsvjej .................................................................................. 34

4. Bella Center .......................................................................................... 35
   4.1. Invitation from Bella Center ............................................................. 36
   4.2. About Bella Center and Bella Sky ................................................... 37
   4.3. Allocation, plenary and expo ............................................................ 39
   4.4. Floorplans ....................................................................................... 41
   4.5. IT .................................................................................................... 43

5. Copenhagen .......................................................................................... 44
   5.1. Copenhagen top rankings ............................................................... 45
   5.2. About Copenhagen .......................................................................... 46

6. Accessibility ........................................................................................... 48
6.1. Easy to get to ........................................................................................ 49
6.2. Easy to get around .............................................................................. 50

7. **Excursions** .......................................................................................... 51
   7.1. Technical Excursions ..................................................................... 52
   7.2. Touristic Excursions ...................................................................... 53

8. **Social Venues** .................................................................................. 56
   8.1. Complimentary city hall reception ............................................... 57
   8.2. Other venues for Social Events ..................................................... 58
1. Welcome to ITA-AITES 2015 World Tunnel Congress

- Invitation letter
- The Essentials
- Proposed Congress Programme
- Training Tunnelling Course
To: ITA Member Nations  

Copenhagen,  
08. February 2012

Dear Colleague,

It is a great pleasure on behalf of the Danish Society for Tunnels and Underground Works – DFTU – to submit the candidature of the City of Copenhagen to host the ITA-AITES 2015 World Tunnel Conference and 41st ITA-AITES General Assembly and to invite you to come and visit our beautiful capital of Denmark.

We have been considering to be a candidate for a period of time and find that 2015 will be the most appropriate year, as we will have several ongoing major tunneling activities. The Fehmern Belt immersed tunnel is a world record immersed tunnel linking Germany and Denmark and is 18 km long – more than 3 times longer than any other immersed tunnel and will be one of safest and most advanced tunnels. The Copenhagen Metro is extended with 17 km twin bored tunnels and 17 underground stations. These will provide the opportunity of technical visits at the footstep of the conference.

DFTU has been the national representative of Denmark in ITA-AITES since DFTU’s creation 28 years ago. Our members have been actively participating in the ITA-AITES annual world tunnel conference, general assemblies and in the working groups and committee’s over the years as well as in the executive council of ITA-AITES. Danish engineers and companies are participating in the design and construction of major tunnel projects globally. We have, however, never had the pleasure to apply for the candidature of hosting the WTC and ITA-AITES General Assembly.

The proposed theme for the conference “Subsea and Urban Tunnelling for Infrastructure Solutions” supports the industry’s need for future cross border links across the sea and the need for infrastructure solutions such as Metros in the fast growing mega cities around the world.

DFTU have the full support from the Danish Ministry of Transport, the City Council of Copenhagen, the major Clients organizations and it’s own members consisting of all the major players within the tunnel and underground industry of Denmark. Our bid is also endorsed by Copenhagen’s Tourist and Convention Bureau “Wonderful Copenhagen”.

Copenhagen is an attractive conference location with easy access, great logistics and excellent venues. The city has for many years been one of the world’s most popular congress cities according to ICCA (International Congress and Conference Association).

The venue we have chosen to host the conference, exhibition and general assembly is Copenhagen Congress Center (Bella Center) located just 5 minutes from the airport and less than 10 minutes from the city centre with a metro running round the clock. The Bella Center is a highly experienced and professional venue and has hosted several major events such as the UN Climate conference COP15 in 2009 with 30,000 delegates from 200 nations participating but also the International Olympic Congress, Oracle, Cisco, not to mention all kinds of medical congresses, fashion faires, concerts, etc.

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<td>DK-2800 Kongens Lyngby</td>
<td>Int.: + 45 56 40 00 00</td>
<td>Int.: + 45 56 40 99 99</td>
<td><a href="http://www.dftu.dk">www.dftu.dk</a></td>
<td>2252-0252813799 Denmark</td>
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There are a large number of international hotels in the area and the rest of the city’s hotel venues can be reached with an 8 minute metro ride.

On the following pages, we will go into details on what set up we have in mind for the ITA-AITES 2015 World Tunnel Congress and what Copenhagen can offer as destination.

On behalf of the Danish Society for Tunnels and Underground Works we would ask you to vote for Denmark as the host nation for the WTC2015 and for the 41st ITA-AITES General Assembly.

Yours Sincerely

Soren Degn Eskesen
President DFTU

Kim Smedegaard Andersen
Board Member, DFTU

Guy Taylor
Board Member, DFTU

Lars Gredsted
Treasurer, DFTU

Ole Overgaard
Secretary General, DFTU
1.2. The Essentials

**Dates**

Event dates: 30th May – 4th June 2015

**Underground**

Denmark and Copenhagen is in the process of many exciting projects, among others the Cityringen, Fehmarnbelt Link and the Copenhagen-Ringsted railway connection.

**Theme**

"Subsea and Urban Tunnelling for Infrastructure Solutions"

**Support**

The bid is endorsed by the City of Copenhagen, The Ministry of Transport, Femern A/S, Metroselskabet, Nordhavnsvej, Confederation of Danish Industry, Scandinavian Airlines and Wonderful Copenhagen

**Venue**

Bella Center Copenhagen, www.bellacenter.dk

Contact

Katharina Klitten, Sales and Project Manager, katharina.klitten@bellacenter.dk

Phone: +45 3247 2246

**Accommodation**

Bella Sky ****, integrated with Bella Center

www.bellaskycomwell.dk

A total of 812 rooms.

Crowne Plaza Copenhagen Towers ****, 1 km or 1 metro stop, walking distance

www.cpcopenhagen.dk

A total of 366 rooms.

Cab Inn Metro **, 1 km, walking distance

www.cabinn.com

A total of 712 rooms

The city centre of Copenhagen offers many hotels including international chain hotels such as Hilton, Marriott, Best Western, Scandic, Radisson BLU, First Hotels, etc.

**Location**

Copenhagen is the capital of Denmark and amongst the most popular congress cities in the world. It is a vibrant metropolis, the gateway to Scandinavia and amongst the safest and cleanest cities in the world. According to the famous lifestyle magazine Monocle, Copenhagen is the most livable city in the world

**Airport**

Copenhagen Airport is the hub of Scandinavia with more than 140 direct flights including 39 from the US.

**Local access**

CPH Airport – Bella Center (6 km)

CPH Airport – City centre (9 km)

Bella Center – City Center (6 km)

**Local transport**

CPH Airport - Bella Center 5 minutes by taxi at approx. 30 Euro

CPH Airport – City centre 13 minutes by metro or train at 4.80 Euro

Bella Center – City centre 8 minutes by metro at 3.20 Euro

**Free transport**

Free transportation with the metro will be provided delegates at ITA-AITES 2015 World Tunnel Congress

**Excursions**

Both touristic and technical excursions will be offered to delegates

**Social venues**

Copenhagen has a wide range of social venues which would be relevant for ITA-AITES in Copenhagen – among them the complimentary city hall reception.
1.3. Proposed Congress Programme

In Denmark we are seeing some major tunnelling projects going ahead and in 2015 the tunnelling activities will have reached a level which we have never experienced before.

The tunnelling history in Denmark is closely related to infrastructure projects and soft ground tunnelling both in subsea and in urban conditions. We have therefore selected the theme for the conference to be “Subsea and Urban Tunnelling for Infrastructure Solutions” which represent our experience and our expectation for future growth in tunnelling on the global market.

The proposed conference program is shown in the figure on the following page.
### ITA-AITES 2015 World Tunnel Congress - Copenhagen Proposal

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- **TRAINING TUNNELING COURSES**
- **WG Animatours Meeting**
- **Technical Sessions**
- **Working Group & Comitee Meetings**
- **Opening Ceremony**
- **Muir Wood & Keynote Lectures**
- **Technical Sessions**
- **ITA Comitee Meeting**
- **Exhibition**
- **Registration**
- **GENERAL ASSEMBLY**
- **Opening Session**
- **Lunch**
- **Technical Tours**
- **Post Congress Tours**

**Welcome to ITA-AITES 2015 World Tunnel Congress 10**
1.4. Training Tunnelling Course

A 2-day training tunnelling course will be offered prior to the ITA-AITES 2015 World Tunnel Congress on Friday May 29, 2015 and Saturday May 30, 2015.

The training tunneling course will be organized with the ITA-CET Foundation and the technical program approved by the ITA Committee on Education and Training, ITA-CET. The topic of the training course will be “Soft soil and subsea tunnelling”.

The course will highlight the most important design and construction methods with reference to soft soil and subsea tunnelling, with special attention devoted to immersed and mechanized tunnelling and to the constraints imposed by soft soil and subsea condition (immersed tunnelling, face stability for mechanized tunnelling, selection of TBM, watertight tunnels, ground water and settlement control, ground improvement, site investigations, risk management).

The technical subjects and case histories will be offered and presented by industry-distinguished professionals representing the highest standards worldwide and selected with the approvals of the ITA-CET committee. A certificate will be provided for possible accreditation of any professional organizations.
2. Letters of Invitation, Support and Endorsement

Ministry of Transport
Lord Mayor of Copenhagen
Femern A/S
Metroselskabet
Nordhavnsvej
Confederation of Danish Industry
The Danish Construction Association
DIS Congress (PCO)
SAS / Star Alliance
Wonderful Copenhagen – Convention bureau
Concessions – special support for ITA-AITES
International Tunnelling and Underground Space Association

World Tunnel Congress 2015

I am pleased to hear that Denmark has the opportunity to host the World Tunnel Congress 2015.

I fully support the initiative, and I am confident that Wonderful Copenhagen and the partners in Copenhagen have the necessary experience and facilities to organize the World Tunnel Congress 2015.

Yours sincerely,

Henrik Dam Kristensen
International Tunnelling and Underground Space Association

Invitation to host: World Tunnel Congress 2015 (WTV2015)

Dear Sirs,

As Lord Mayor of Copenhagen, I am delighted to learn that Copenhagen is being considered as host of the important World Tunnel Congress in 2015, and I hereby wish to assure you of my wholehearted support for this bid.

In choosing Copenhagen as your host city, we would welcome you to one of the most popular congress cities in the world. Congress guests in Copenhagen can enjoy the benefits of Scandinavian design, functionality and professionalism, as well as every conceivable variety of modern technology. The city offers state-of-the-art conference facilities and hotels as well as compactness, with the majority of hotels and attractions within walking distance of each other.

The capital of one of the oldest kingdoms in the world is easily accessible for your delegates. In Copenhagen your delegates will be surrounded by the sea, and experience a flourishing cultural life, creative growth and a vibrant atmosphere in which they can meet the easy-going and open-minded Copenhageners.

Copenhagen's goal is to be the world's leading environmental capital. The city is already very green and climate-conscious with an unprecedented network of bicycle paths; a world-class public transport system; and wind turbines just off its coast supplying a large proportion of the city's energy. And the Municipality of Copenhagen is continuing to invest heavily in environmental projects. Our goal is to reduce Copenhagen's total CO2 emissions by 20% between 2005 - 2015 and make this the world's first CO2-neutral capital by 2025.

On behalf of the City of Copenhagen, I would most warmly welcome the World Tunnel Congress and its delegates to Copenhagen in 2015. And, as an expression of our hospitality, we would very much like to welcome you to Copenhagen City Hall for a complimentary reception.

Furthermore, I hope that all the delegates, while having an unforgettable convention experience, will also have the opportunity to enjoy Copenhagen, and take home with them many happy memories from our vibrant yet cozy metropolis.

Yours faithfully,

Frank Jensen
Lord Mayor of Copenhagen
World Tunnel Congress 2015

International Tunnelling and Underground Space Association

On behalf of the Danish Ministry of Transport, Femern A/S is in charge of the world’s largest Fixed Link Immersed Tunnel Project. Featuring the latest state-of-the-art immersed tube technology, the Fehmarnbelt Fixed Link is about to realise the dream of a fixed, close and direct connection between Denmark and Germany and thereby Scandinavia and continental Europe. The staff of Femern A/S was also involved in the making of the Swedish-Danish Øresund Tunnel which has generated new standards for construction of immersed tunnels.

Since 2000 the Øresund Fixed Link has been a determining factor in developing and strengthening the Øresund region including the cities of Malmö and Copenhagen. Therefore we welcome this opportunity of endorsing Copenhagen as a candidate to host the World Tunnel Congress 2015.

With the congress taking place in Copenhagen we see a unique possibility of combining a presentation of the innovative and inspiring Fehmarnbelt Tunnel project with a gathering of the World’s most accomplished and proficient engineers, architects, contractors, builders, suppliers and stakeholders in general. Delegates will be offered an ideal platform of discussing current issues and identifying future trends of tunnelling and underground construction.

Copenhagen as Congress Venue is capable of providing the necessary facilities for the WTC 2015 and ensuring an innovative environment of knowledge sharing, creativeness and networking which will be to the benefit of all parties.

Also, we believe that - due to its geographic structure and frequent use of tunnel based solutions - Denmark will provide the proper Tunnel and Underground Setting and that the city of Copenhagen with its vibrant cultural life, iconic sights and superb gastronomy will offer a stimulating, interesting and insightful venue for the Congress and its delegates.
We therefore take great pleasure in supporting Copenhagen as a candidate to host the WTC 2015.

Yours sincerely,

Steen Lykke
Technical Director
Dear Professor Lee,

2015 ITA-AITES World Tunnel Congress

On behalf of Metroselskabet, I would like to express my full support and commitment to The Danish Society for Tunnels and Underground Works DFTU and wish to offer you my endorsement of Copenhagen’s bid to organise and host the 2015 ITA-AITES World Tunnel Congress.

Denmark, at the crossroads of Europe and Scandinavia, has embarked on a number of outstanding world class projects which will be in progress at the time of the 2015 WTC.

The Cityringen Metro Project, currently under construction in Copenhagen, will significantly expand the existing metro system with a new fully underground circle line and will offer the delegates an ideal backdrop to the congress.

I am confident that Copenhagen with its first class experience in staging major world events will offer the ITA-AITES WTC 2015 an outstanding congress venue.

I look forward to extending a very warm welcome to you and all your participants in 2015.

Yours faithfully,

Henrik Plougmann Olsen
2015 ITA-AITES WORLD TUNNEL CONGRESS

As Client Organisation for Nordhavnsvej we are looking forward to welcoming the World Tunnel Congress participants in Copenhagen 2015.

Nordhavnsvej is a 1.7 km ring road with 0.6 km cut & cover tunnel establishing a road connection to the Northern Harbour area in Copenhagen. The tunnel is crossing a major rail link and a main road. The cross section of the tunnel consists of 2 lanes in each direction.

The contract for the construction of the cut & cover tunnel was entered August 2011 and in May 2015, when the World Tunnel Conference will take place, we expect to inaugurate the Nordhavnsvej tunnel a few months later, so we would be delighted to show the tunnel to the participants of the Conference.

I hereby express my full support to the application for hosting the World Tunnel Congress in 2015.

Yours sincerely

Anne Kongsfelt
Project Director
The Technical and Environmental Administration
City of Copenhagen

Project Nordhavnsvej
Ryvangs Allé 1,
Building 110
DK-2100 København Ø

Mobile
0045 2835 9659

E-mail
annkon@tmf.kk.dk

www.tmf.kk.dk/nordhavnsvej
To whom it may concern

Expression of support – World Tunnel Congress 2015

The Confederation of Danish Industries, DI, is the leading Danish Business Organization with more than 10.000 member companies within manufacturing, trade and service industry.

DI covers a large number of sectoral employers’ associations and branch federations within all significant business sectors including transportation and infrastructure.

In 2015 a fixed link across the Fehmarnbelt will be under construction. The project will be one of the most vital infrastructure projects for the coming years and thus attractive to many companies and experts throughout the whole world.

DI shall hereby express our outmost support to the application for hosting the World Tunnel Congress 2015.

DI and our 10.000 private enterprises will play an active role in the conferences in Denmark.

Yours sincerely

Michael Svane
DI
World Tunnel Congress 2015

The Danish Construction Association is very satisfied with the initiative of The Danish Society for Tunnels and Underground Works and we support their application for hosting the World Tunnel Congress 2015.

The Danish Construction Association is the association for Danish contractors working with large infrastructure projects in Denmark as well as abroad. I am sure that members of the Danish Construction Association will join the World Tunnel Congress 2015 and that they will see the congress as an excellent possibility for discussions and exchange of experience between professionals from the whole world.

As Denmark in these years is gathering substantial experience with several kinds of tunnelling projects, The Danish Construction Association feels that Denmark is a very suitable venue for a conference of this calibre.

Yours sincerely

The Danish Construction Association

Niels Nielsen
DIS Congress Service A/S is a highly specialised company founded in 1952, specifically to provide conference management services. For 60 years DIS Congress Service has been managing successful events for Danish and international organisations, associations and companies and has been involved in more than 2,400 events throughout the years.

The portfolio of successful, international conferences managed by DIS ranges from Conventions with more than 15,000 participants, via international congresses for scientific associations with more than 8,000 participants to confidential, international/national meetings with just a handful of participants.

Through our membership of IAPCO (International Association of Professional Congress Organizers) ICCA (International Congress & Convention Association) and MPI (Meeting Professionals International) we ensure an ongoing update of our knowledge in order to provide the best professional solution for our customers.

List of Important Conferences

2012: Nordic Geotechnical Meeting
       300 participants

2011: European Public Health Association
       1,300 participants

2010: European Peptide Symposium
       800 participants & 55 exhibitors

2009: European Congress of Operating Room Nurses
       1,900 participants & 70 exhibitors

2008: The International Society for Quality in Health Care
       1,100 participants

2006: Rotary Convention
       15,000 participants

International Pig Veterinary Society (IPVS)
       2,600 participants & 1,200 abstracts

www.discongress.com
Scandinavian Airlines is very pleased to learn about your interest in Copenhagen as a venue for ITA World Tunnel Congress. We would like to take this opportunity to suggest a cooperation between SAS and International Tunnelling Association in the event that Copenhagen will be chosen for the Congress in 2015.

**SAS as Official Airline for ITA World Tunnel Congress 2015**

Appointing SAS as Official Airline adds prestige to the event, and it is a recommendation to the participants that SAS is supporting them. As a long standing member of ICCA - the International Congress and Conference Association, SAS has great experience in cooperation with international events.

At this stage, we will offer free or reduced air transportation for possible necessary site inspection, which is planned in cooperation with Wonderful Copenhagen, for an agreed number of attendees.

Through an Agreement, we would suggest the following cooperation in the planning period after the decision of holding the Congress in Copenhagen has been taken:

- **Special Conference discounts could be available for the delegates and accompanying persons.** Discounts are applicable on all published fares on SAS, Blue1 and Widerøe routes and selected codeshare connecting flights.

- **Dedicated booking engine offering Conference discounts will be made available for the delegates**

- **Credits for re-purchase of airline tickets on SAS and partners can be earned, based on tracked revenue generated via the agreement.**

- **A Star Alliance™ Conventions Plus Official Airline Network Agreement could be made available if specific criterias are met, see enclosure.**

SAS is a partner in the Star Alliance™, the first true global airline alliance. The Star Alliance network has 27 member airlines. Overall, Star Alliance offers flights to more than 1160 destinations in 181 countries.

Some of these points and proposals are of course subject to further negotiations as soon as Copenhagen has been chosen as the venue for the Congress.

We are looking forward to cooperate with you and will do our utmost that Copenhagen will be chosen as venue and that the World Tunnel Congress 2015 will be successful.

Yours sincerely,

Scandinavian Airlines System

Sus Nygaard
Manager, Meeting & Convention Sales
Welcome to Wonderful Copenhagen

On behalf of Wonderful Copenhagen, I would like to express my enthusiasm and offer my full support for Copenhagen’s bid to host the World Tunnel Congress in 2015. As one of the world’s most popular conference city, and with our considerable expertise in hosting high profile events, we are fully aware of the responsibility involved in hosting WTC 2015. There is no doubt that it would be an important addition to the city’s proud list of previous major events.

Copenhagen is a great conference city offering World Tunnel Congress the opportunity for the ultimate green meeting, thanks to its eco-labelled, state-of-the-art hotels and meeting venues and world-leading environmental initiatives in the field of recycling and clean energy. Copenhagen is easy to access and, once you are here, you can travel extensively throughout the city using environmentally friendly transport options, such as public transportation, by foot or by bike - a fun, fast and very Copenhagen-way to travel.

Copenhagen is green and clean with many green areas, canals, lakes and a harbour which is clean and safe for swimming. The Danish capital was recently ranked the greenest major city in Europe by the European Green City Index, while a unique study of the environmental sustainability achieved during the UN Climate Change Conference, COP15 2009, in Copenhagen showed that the city surpassed expectations in terms of its green promise.

In Copenhagen you can expect the entire city to be your host, providing the best possible framework for your congress. Along with the enclosed material, I hereby wish to assure you that we will make every possible effort to meet your requirements and expectations, making ITA-AITES 2015 World Tunnel Congress in Copenhagen an outstanding and memorable success. We look forward to welcoming you in beautiful and green Copenhagen.

Yours sincerely,

Lars Bernhard Jørgensen
Managing Director

Wonderful Copenhagen CVB is the official convention and visitors bureau of Copenhagen, dealing with all aspects of Copenhagen as a leisure, event and business destination.

Wonderful Copenhagen is a member of BestCities Global Alliance. The first Convention Bureau alliance, created to deliver the world’s best services for the meetings industry.
2.11. Concessions – special support for ITA-AITES

Wonderful Copenhagen Convention and Visitors Bureau would be delighted to welcome the ITA-AITES World Tunnel Congress 2015 to Copenhagen.

We are happy to offer ITA the following:

- **Complimentary welcome reception** at Copenhagen Town Hall. Capacity up to 600 people. Subject to availability and application.

- **Free assistance to ITA in making contact with the local press.**

- **Promotion at the WTC congress prior to the WTC 2015 in Copenhagen** to boost delegate participation.

- **Free transportation with Metro** for delegates at WTC 2015 in Copenhagen during the days of the congress.

- **Special Congress Airfare** through SAS Official Air-carrier Agreement.

- **Complimentary city maps and tourism information brochure** for the delegate conference bags.

- **Additional free services from Wonderful Copenhagen;** gathering proposals, contact to local authorities and suppliers, link to web site, recommendations for social program/pre-post tours, promotional brochures/films/presentations and more.

Wonderful Copenhagen:
Anna Ørsted Pedersen
Project Manager
Email: anp@woco.dk
Phone: +45 3355 7456
3. Copenhagen underground

Tunnelling in Denmark - overview
Fehmarnbelt Fixed Link
Cityringen, Metroproject
The new railway line Copenhagen – Ringsted
Nordhavnsvæj
3.1. Tunnelling in Denmark - overview

Although Denmark is a country without major mountains, Denmark has a high number of tunnels under construction and under planning and a quite busy tunnel market. Denmark is a country consisting of several islands and with a central location connecting the rest of Scandinavia to mainland Europe.

Further the urbanization is developing particularly in the area of its capital Copenhagen. These factors contribute to the need for having tunnels and underground structures constructed to develop the major cities and the connections to the neighbouring countries of Denmark. Further there is a political will to strengthen the public transport with upgrading of the railway network, introduction of light railways and extension of the Copenhagen Metro systems. Danish engineers have for decades being heavily involved in tunnel projects all around the globe, particular within the immersed tunnel projects, where many tunnels in the past have been constructed by Danish contractors or have been designed by Danish engineers.

Major existing tunnels:

The 18 km long Great Belt Link for motorway and railway between the biggest Danish Islands Zealand and Funen was inaugurated in 1997 and included an 8 km bored railway tunnel and the World's second longest suspension bridge.

The 14 km long Oresund Link between Denmark and Sweden was inaugurated in 2000 and included a 4 km long immersed tunnel for motorway and railway.

The Copenhagen Metro opened the first 2 lines covering 21 km in 2002 and 2003 with fully automated and driverless trains.

More recently we completed a 4 km long tunnel under the central part of Copenhagen, completed in 2009, supplying districts heating to inhabitants of Copenhagen.

Further we have a number of older tunnels including several immersed tube tunnel projects amongst other the immersed tunnel under Limfjorden carrying a 6 lane motorway linking the northern part of Jutland to the rest of Jutland inaugurated in year 1969.

Ongoing tunnel projects:

The major ongoing tunnel projects in Denmark is the Fehmarnbelt Fixed Link between Denmark and Germany, the metro Cityringen in Copenhagen, the cut & cover tunnel Nordhavnsvej in Copenhagen and the tunnels for the Copenhagen-Ringsted railway line will be described in the following sections.
Longer perspective

As longer perspective projects there are several tunnel projects.

Different alignment studies have been carried out for a new Eastern Bypass around Copenhagen.

New link between Denmark and Sweden, the Helsingør – Helsingborg link under the Öresund has been considered for more than 50 years but is still in the early study phases.

In the longer perspective tunnels are being considered for crossing the belt between Jutland and Fünen and tunnels to connect the island of Zealand with Jutland with 4 or 6 lanes motorway and railways.

Also requests are being made by the inhabitants of Copenhagen for more metro lines; it is therefore believed that the tunnel market will continue to grow and interesting jobs working with tunnels and underground structures will increase for the future.

International perspectives

Danish engineers have since the 1930 being involved in a number of international tunnelling projects. In 1904 the Danish construction contractor Christiani and Nielsen Ltd was established and the company has built a number of tunnel projects worldwide over the years particular in Hong Kong, South America, the middle and far east. Some of the major projects are Santos Estuary Road Tunnel in Brazil, the George Massey Tunnel in Vancouver, Canada, the Preveza-Aktio Road Tunnel in Greece, River Lee Road Tunnel in Ireland. In 1930 the company established a branch in Thailand, which is now the main operating office of the company.

More recently Danish engineers have being involved in the design of the high speed railway line in Taiwan, performed the detailed design for the Busan-Geoje fixed link in South Korea including the worlds deepest immersed tunnel, which was put into operation in 2010. Danish engineers are presently involved with the detailed design of the immersed tunnel for the Hong Kong Macui link and for the crossing of the Maracaibo bay in Venezuela and for a new link to Santos in Brazil.
3.2. Fehmarnbelt Fixed Link

The Fehmarnbelt tunnel between Germany and Denmark will bring Scandinavia closer to the heart of continental Europe when it opens towards the end of 2020 at the same time as it will create opportunities for change and development across a region of 10 million people that live in Northern Germany, Eastern Denmark and Southern Sweden.

At approximately 19 km, the tunnel will cut travelling times between Germany and Denmark by one hour compared to the existing ferry route between Rødbyhavn and Puttgarden. The journey through the tunnel itself will take around 10 minutes by car and seven minutes by train. This means that the travel time between Hamburg and Copenhagen will fall by some 90 minutes to three hours.

The Danish state-owned Femern A/S is responsible for planning the project and has recommended an immersed tunnel as the preferred technical solution. The link will comprise a four-lane motorway and a dual-track railway and Femern A/S is currently preparing the upcoming international invitations to tender.

The Fehmarnbelt tunnel will not only be the longest tunnels of its kind – it will also be one of the safest and most advanced and even more safe than equivalent motorways or railways on land.

There will be no oncoming traffic, no slip roads or impediments due to weather conditions or darkness. Automatic ventilation systems will ensure permanent air...
quality and visibility in the tunnel.

Both road tubes will be equipped with emergency lanes and the tunnel will be monitored on an ongoing basis by means of a comprehensive monitoring and traffic control system.

Emergency exits to a safe neighbouring tube are located at 108m intervals in the conceptual design and there will be emergency stations with firefighting equipment and direct phone links to the control centre every 54m.

The tunnel’s ceiling and walls will be fire insulated and the entire tunnel equipped with a fire extinguishing system that will keep a fire under control until the fire brigade and other emergency services arrive at the scene. The project is expected to be finally approved in 2013/14, after which construction can begin in the summer of 2014. Users will pay

The Fehmarnbelt fixed Link will be owned by Denmark and financed through loans in international capital markets. These loans will be guaranteed by the Danish state and will be paid back by the revenues from the link’s users. This funding model was also used for the fixed links across Storebælt and Øresund.

Femern A/S’ profitability calculations assume that the EU’s TEN-programme support will account for a substantial part of the financing of the construction costs during that phase. An immersed tunnel under the Fehmarnbelt is expected to cost EUR 5.5 billion (2008 prices). The investment in the coast-to-coast link is expected to be repaid over 33 years.

The world’s longest immersed tunnels:
3.3. Cityringen, Metroproject

After almost a decade since opening the first phase of its award winning automatic driverless metro system, Copenhagen has just embarked on a major expansion of its metro network with the construction of the new Eur2.8B Cityringen.

Due for completion in 2018, this new circle line with its 17 underground stations, 3 major underground structures, and control and maintenance centre, will all be interconnected by approximately 17km of twin bore tunnels.

This project further links central districts of the inner city of Copenhagen into an increasingly integrated transport network, satisfying an ever increasing commuter demand for a more efficient public transport system by interchanging with the existing metro and both regional and national railway stations,
The two major contacts for the Cityringen project were awarded on the 7th January 2011; a single design and build contact for all the Civil Works and a Transportation Systems contract for rolling stock and the control and maintenance centre.

With a number of technical challenges imposed by working in a dense residential and sensitive urban environment, this project employs many interesting and complex construction techniques and tunnelling sequences and serves as an ideal backdrop to Copenhagen’s theme for the ITA WTC.

In addition to the crossings and intersections of existing Metro and rail networks, the Cityringen construction will be carried out in the heart of the historical city, adjacent to and under national landmarks and listed buildings many built on delicate timber foundation supports which are sensitive to any construction induced ground movement or water table drawdown.

The bored tunnels will be constructed using Earth Pressure Balance TBMs with an excavation diameter of around 5.8m designed to deal with complex, changing geological conditions ranging from Copenhagen limestone to difficult quaternary deposits of sands and clays and some long sections of challenging mixed face transitions.

1st Phase construction works and Cityringen geological section
Cityringen Facts

• 2 single track tunnels each approx. 17 km in length
• 17 underground stations
• 2 crossover facilities
• 3 construction- and ventilation shafts
• Automated Control- and Maintenance Centre (CMC)
• Civil Works Contract value approx. 1,6 billion Euro
• Transportation Services Contract value approx. 700 million Euro (incl. 5 years maintenance)
3.4. The new railway line Copenhagen – Ringsted

A new railway line between Copenhagen and Ringsted is being built being the largest land construction project in Denmark in more than a hundred years. The new electrified line will double capacity between Copenhagen and Ringsted and will be the first railway in Denmark with potential for high speed trains. The project is a vital link of the European TEN-T rail corridor between the European continent and northern Scandinavia. It will be in service two years prior to the opening of the fixed Fehmarnbelt connection between Denmark and Germany.

Faster and faster
Greater Copenhagen attracts labor and students from far away on Zealand, Lolland-Falster and Funen. The new railway line will, in combination with the construction of an extra track on the northwest line to Holbæk, improve environmentally friendly transport by rail to and from the Danish capital significantly. The new line and the extra track will cut travel time, make room for trains, secure freight capacity through Europe, enhance precision and minimize delays.

Danish rail has been and still is undergoing comprehensive modernizing; capacity improvement, ERTMS signaling and track renewal will pave the way for a doubling of passenger traffic by 2030. Increased rail transport based on renewable energy is an important goal in Denmark.

The layout
The new 60 km line will commence at Ny Ellebjerg S-train Station in the southwestern part of Copenhagen where new platforms will be built. Most of the new line will be placed in cut and cover-tunnels or dugouts for the first 2.5 kilometers in order to minimize the new line’s negative impact on residential and recreational areas. Further on the new line will follow the north side of the Holbæk Motorway, cross under and over to follow the Køge Bugt Motorway, after which it continues west north of the Vestmotororvejen motorway until it crosses under to the south side and connects to the mainline railway in Ringsted. The new line’s close proximity to motorways was chosen to minimize negative impact on the environment and to reduce the need for expropriation of land. It will pass several sites of high historic, cultural and natural value. The new line must be built with the least impact on these sites. An important part of the planning is securing wild life and relocation of biotopes. The budget for the line is 10.4 billion Danish kroner (1.4 billion euro) and it is the first railway in Denmark being built to support a maximum speed of 250 km/h.
3.5. Nordhavnsvej

Nordhavnsvej
Nordhavnsvej is being built in connection with the urban development of Nordhavn, which is the Northern harbor area of Copenhagen. Furthermore Nordhavnsvej is established to relieve traffic from local streets in Copenhagen.

Infrastructure to a new city district
In the future, a new urban area will be developed in Nordhavn. Nordhavn is one of Copenhagen's largest urban development areas allowing a floor area up to 3 million square metres. The long-term plan for the area is to turn it into a new sustainable city district housing up to 40,000 people and 40,000 work places.

The establishing of Nordhavnsvej is to secure a better infrastructure to Nordhavn by connecting the Helsingor motorway and Nordhavn. Also, it will relieve traffic from existing local streets on Østerbro and the inner city of Copenhagen.

Nordhavnsvej will pass through densely populated city areas and will also have to pass under three busy railway lines and several roads.

Facts about Nordhavnsvej
Nordhavnsvej will be approximately 1,65 km with a 620 m stretch of Cut & Cover tunnel. The cross section of the tunnel consists of 2 lanes in each direction.

The tunnel is designed according to EU Directive 2004/54/EF regarding tunnel safety. Mechanical, safety, SCADA and electrical systems for the Nordhavnsvej Tunnel were based on a high level of personal safety for people travelling through the tunnel and fire brigade fighting possible fires, therefore there are various systems to support this, e.g. water mist system sectioned in zones of 25m controlled by Linear Heat Detection based on fibre optics, fire hydrant and automatic fire ventilation.

The Nordhavnsvej Tunnel will be a vital connecting road and therefore installations were upgraded to SIL2 (Safety Integrate Level) and with focus on low maintenance level inside the tunnel to ensure a high opening rate of cars passing through.

The construction works has started and the road will open late 2015
4. Bella Center
4.1. Invitation from Bella Center

WTC 2015

Copenhagen, August 2011

We are pleased to learn you are considering Copenhagen as the host city for WTC 2015. It would be a great honour if the Bella Center should be chosen as venue for such a great and prestigious event.

A beautiful setting for world events
Known to many as the “most beautiful of Europe’s exhibition centres”, Bella Center is located less than ten minutes from downtown Copenhagen and the Copenhagen international airport. With its 121,800 square metres Bella Center is Scandinavia’s largest exhibition, mart and congress venue.

On several occasions Bella Center has been the centre of world attention, most recently when hosting the UN Climate Summit COP15 – the largest meeting ever held in Denmark with more than 30,000 delegates from 189 countries.

One of the visible results of Bella Centers leading position is that organisations such as the International Olympic Congress, Oracle, Cisco, IBM, SAP and Microsoft have chosen to hold their exhibitions and congresses at Bella Center.

The Bella Center also holds a strong reference list within the medical field with congresses such as UEGW, ERS, EASD and EULAR with up to 16,000 delegates.

With meeting and conference rooms, congress and exhibition halls and a catering unit of its own, Bella Center has it all. Any event to be staged by Bella Center is handled by specialists in a number of fields, including architects, IT staff, audio-visual specialists, journalists and an experienced production team. Bella Center is also one of the leading e-congress centres in Europe with state-of-the-art high-speed network.

At present, Bella Center has the possibility of offering the following event dates:

29th May to 4th June 2015

We sincerely hope to see you at Bella Center hoping you acknowledge the presentation, hereby forwarded to you.

Yours sincerely,
Bella Center A/S

Arne Bang Mikkelsen
Managing Director

Lene Mortensen
Congress and Events Director

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Bella Center Copenhagen

- A beautiful setting for world events

Known to many as the “most beautiful of Europe’s exhibition centres”, Bella Center is a vast and magnificent, ultra-modern, state-of-the-art facility, equipped with the very latest design and technology.

The Bella Center offers 121,800 m² fully air-conditioned with room for up to 20,000 delegates.

The congress centre is situated just 5 minutes from Copenhagen International Airport and 10 minutes from the city centre. Bella Center is among Europe’s leading conference centres and can host all types of events.

Bella Center offers:
- 100 flexible meeting and conference rooms hereof
- 4 auditoriums - 310-930 persons
- Congress Hall - 4,322 persons
- A unique Center Hall for banquets, parties, welcoming area, etc.
- Flexible halls
- Modern IT and AV facilities
- Shopping centre (post office, grocer’s shop and florist)
- Professional consultation based on more than 30 years of experience
- Parking facilities, bus and metro connections to city centre and airport
Bella Sky Comwell Hotel Copenhagen ****

- a giant in Copenhagen

The 4-star Bella Hotel is the biggest hotel in Scandinavia, and it is also the most beautiful. Comprising two 76.5m towers with a total of 812 bedrooms, the hotel maintain a strong Scandinavian design ethic. Bella Hotel is a class of its own conveying unique impressions.

**Facts:**
- 4-star hotel
- Two towers of each 76.5 m
- 812 rooms incl. 115 corner rooms in Scandinavian design
- Spa and fitness centre of 850 m²
- Sky and Lobby bar
- Bella Sky Hotel is fully integrated with Bella Center
- 30 new flexible meeting rooms including a spacious ballroom and two executive meeting rooms on the 23rd floor adjacent to the hotel's Sky bar

Bella Sky Comwell Hotel is owned and managed by Bella Center and Comwell. Bella Sky Hotel is addressing the business segment and is equipped with the very latest technology.
Plenary

Auditorium 10 - 12 can be used as three rooms or combined as one room. A very flexible solution, as the separation can be put up during a break.

Therefore the Auditorium 10 - 12 is allocated as plenary and for the technical sessions we suggest that you use 3 of the auditorium.

Auditorium Foyer

The Auditorium Foyer will be the walkthrough area in order to get to the plenary in auditorium 11-12.
Exhibition, poster and catering area

The exhibition area is suggested in Center Hall E North and in the Hall B2-3.

The Center Hall E is ideal for exhibition as it offers a wide range of possibilities for decoration.

The area has excellent ceiling height and plenty of daylight. The hall will lead the delegates to the various areas linking all areas together and creating a natural flow integrating meeting rooms and plenary as well as catering functions.
IT/Networks

The Bella Center is one of the leading e-congress centres in Europe with state-of-the-art high-speed network.

Bella Center is fully equipped with a modern IT high-speed fibre-based network. The high-speed network has upgraded Bella Center to one of the most state-of-the-art e-congress venues in Europe:

- High-speed communications network covering the whole of Bella Center inclusive subsidiary Forum and the Bella Sky Comwell Hotel.
- Certified category 6 Network.
- Fiber infrastructure covering all entire Bella Center and Bella Sky Comwell. All permanent meeting rooms in Bella Center have at least 3 fiber drops.
- Naturally, all meeting rooms in Bella Sky Comwell hotel are connected to our infrastructure, and centrally placed fibre matrixes give all meeting rooms in the hotel the possibility of fibre connections as well.
- Copper and/or fiber drops can be set up anywhere in the buildings.
- Unlimited number of virtual private networks can be established.
- Bella Center uses Cisco high performance equipment. This includes switches, routers and firewalls.
- Redundant Internet bandwidth of 200Mbit, can be upgrade 1Gb redundant. More bandwidth is possible by special order/setup.
- “Black fibers” installed for connection to independent ISPs for maximum up-time security, or for direct connections to tv stations / media servers.

Our WIFI system is upgraded to the N-standard using Cisco equipment. The entire facility is covered, with a total capacity of up to 15,000 simultaneous users.

As client you can choose between having Bella Center staff configuring the network-equipment for your event, or you can lease the entire infrastructure and make your own configurations.

They have all been here
One of the visible results of this position is that the Bella Center has hosted numerous IT events: VMworld, Oracle, Cisco, SAS Institute, SAP “Sapphire”, HP ENSA@WORK, Microsoft IT Forum (3 years consecutively) and Microsoft Convergence.
5. Copenhagen

Copenhagen top rankings
About Copenhagen
5.1. Copenhagen top rankings

2011
Copenhagen
• Voted the "Best Destination 2011" *(European Consumers Choice Awards)*

• **Best Chef in the World** - Danish Chef Rasmus Kofoed wins the 2011 Bocuse d’Or in Lyon

• On the list of The Most Improved Cities of the Last Decade *(Rough Guides 2011)*

• **Best Airport Northern Europe Award 2011** *(World Airport Awards)*

• An Oscar for The world’s Best Foreign Movie; In a Better World *(The 83rd Academy Awards 2011)*

• Copenhagen Airport is the most punctual airport in Europe *(FlightStats.com)*

• NOMA** awarded ‘Best Restaurant in the World’
  Source: The S.Pellegrino World’s 50 Best Restaurants

2010
Copenhagen
• Listed as the 6th most popular congress city in the world *(ICCA 2010)*

• Top 5 place in the world to visit in 2010 *(New York Times, January 2010)*

• Voted “World’s Best City for Cyclists 2010” *(treehugger.com - owned by Discovery Communications)*

• Metro awarded “Best Metro In the World 2010” *(MetroRail)*

• Voted “Best Green City to visit” *(treehugger.com - owned by Discovery Communications)*

• Airport awarded “Best Airport in Europe 2010” *(Skytrax)*

• NOMA** awarded ‘Best Restaurant in the World’
  Source: The S.Pellegrino World’s 50 Best Restaurants
5.2. About Copenhagen

Experience a pulsating metropolitan capital with a harbour clean enough to swim in. Discover a historical oasis that is constantly embracing the future. Come and find a fascinating city full of contrasts and surprises.

By giving Copenhagen the privilege to organize World Tunnel Congress, you are guaranteed a host city with the proven ability to organize successful events in creative and beautiful surroundings. Copenhagen is one of the most popular conference cities in the world due to its easy accessibility, general level of efficiency and low crime rate.

Easy to reach
You can reach Copenhagen Airport on non-stop flights from more than 130 destinations - In fact, it is the airport in Scandinavia with most international flight destinations. From the airport, the Metro or train takes you swiftly to the city centre in less than 15 minutes.

... and everything within your reach
Copenhagen is a compact city that is easy to navigate. With the majority of hotels and venues centrally located, most of the sights and attractions are within walkable distance.

Historic
Medieval townhouses in a variety of colors and atmospheric streetlamps reflecting in the cobble stones await your delegates in the old city center. Denmark is the oldest monarchy in the world. Beautiful traces of Copenhagen’s 1,000-year history are to be found everywhere.

... but modern
Through the years, however, Copenhagen has transformed itself into one of the world’s leading design capitals. Award-winning contemporary architecture and stunning design appear all over the city.

Safe
Denmark and its capital city are proud of the reputation as one of the safest countries in the world. In 2009, Denmark was ranked the 2nd most peaceful country in the world by the Global Peace Index.

...and the least corrupt
Bribery and corruption are almost non-existent and for years Denmark has been ranked among the world’s least corrupt countries by Transparency International (TI), the
global coalition against corruption.

**Go Green**
Ecology, environment and sustainability are of great concern to Copenhagen citizens, retailers and politicians. Copenhagen is known as one of the most environmentally friendly cities in the world. In fact, Copenhagen was recently ranked the greenest major city in Europe according to The European Green City Index.

**...and blue**
Water is one of the distinguishing features of Copenhagen. Whether it is the sea that surrounds it, the canals that wind their way through its heart, or the many lakes, ponds and fountains to be found in its parks and nature reserves. The water in Copenhagen's harbour is so clean that you can swim in it!

**Walk it, bike it, cruise it**
Indulge in a variety of Copenhagen's entertaining activities: Stroll through the old city centre and browse the sleekly designed items in Copenhagen's unique shops. Enjoy guided boat tours of the city's 17th century canals or visit the superb art museums, Tivoli Gardens and the newly built state-of-the-art Opera House just to mention a few. Have a drink and experience Copenhagen's energetic bar and nightlife. And do like the Copenhageners - Jump on a bike to exercise, to experience or simply to get around easily.

**...be seated and enjoy**
Currently Copenhagen's restaurants boast a total of 11 Michelin stars. It is however the wealth of dining options that strengthens the city's gastronomy - Copenhagen offers high quality restaurants to accommodate all price ranges and tastes. A wide range of the restaurants are offering organic and climate friendly food.

**Copenhagen - Likeable, Liveable, Loveable**
In the mild spring, the warm summer and the colourful autumn, enjoyable Copenhagen city life spills out on the streets and squares, in the parks, along the waterfront and on the quaysides. For the past 3 years placed in top 3 as “Most liveable city in the World” by the famous lifestyle magazine Monocle.
6. Accessibility

Easy to get to
Easy to get around
6.1. Easy to get to

Copenhagen Airport
Copenhagen Airport is Northern Europe’s main traffic hub with direct flights from approximately 140 destinations including 39 from the US.

Europe’s best and most efficient airport
Copenhagen Airport has received several awards and recognitions. Most recently 11 million passengers have rated Copenhagen Airport best in Northern Europe in the annual SkyTrax survey 2011.

The airport has also received “Europe Airport Efficiency Excellence Award” 2009 by the Air Transport Research Society (ATRS).

For two consecutive years, the Airports Council International (ACI) has rated Copenhagen Airport the best in Europe in the 10-25 million passenger category. Source: ACI 2009

Air transport time

The Airport is located only 8 km from Copenhagen and travel time is only 13 minutes by train or metro.

SAS Scandinavian Airlines
SAS Scandinavian Airlines offers the largest route network from Copenhagen Airport serving 57 destinations in 26 countries. In 2009 SAS was Europe’s and the world’s third most punctual major airline and the world’s third most punctual major airline (Flightstats).

Low Cost Airlines in Copenhagen Airport
Copenhagen Airport is the preferred low cost carrier airport in Scandinavia and in October 2010 Copenhagen Airport opened a new terminal, CPH Go catered for lower cost carriers and with the purpose to attract new, efficient airlines and provide passengers with cheaper fares to a wider range of destinations. The new terminal is an integral part of the existing terminal structure and has an annual capacity of 6 million passengers.

Low cost airlines at CPH
Air Berlin
Cimber Sterling
Danish Air Transport
EasyJet
Germanwings
Iceland Express
Niki
Norwegian
Transavia.com
Source: www.cph.dk January 2010
6.2. Easy to get around

Copenhagen is a compact city and everything is close at hand. Most hotels, restaurants, sights and shops are within walking distance. Unlike any other European capital city, Copenhagen has few traffic problems and no congestion, which guarantees minimal travel times between any of the locations in and around the city.

The Metro
The Metro’s fully automated and driverless trains guarantee effective and fast link between the large urban areas. The Metro is operating around the clock and Bella Center has its own Metro station.

Trains and buses
Trains and buses are plentiful and run frequently to all parts of the country including the airport as well as in the city of Copenhagen.

Two harbor buses also function like ordinary buses making it easy to travel between the centre of Copenhagen and Christianshavn/Holmen/The Opera House.

Taxi
Taxis are comfortable and clean clearly licensed. They operate at fixed mileage rates depending on the time of day and accept all major credit cards.

Walking and Bicycling
Copenhagen was the first city in the world to introduce pedestrian streets and with its’ manageable size and most attractions located in the city centre, walking is an attractive option.

Copenhagen is also known as the "City of Bikes" due to its longstanding and lively cycling tradition. Most locals use bicycles as an indispensable mean of transport. Visitors have more than 2,000 city bikes at their disposal free of charge.

Free travel passes for WTC delegates with metro
Delegates at ITA-AITES 2016 World Tunnel Congress will be provided with a metro pass, providing free transportation on the metro during the days of the congress.
7. Excursions

- Technical Excursions
- Touristic Excursions
7.1. Technical Excursions

Technical excursions will be arranged for Thursday 4th May 2015 to underground and tunnel projects that have been recently completed and are planned to be under construction.

Expected projects for technical excursions include the following:

Under Construction
- Fehmarnbelt Fixed Link
- Cityringen, Metroproject Centre of Copenhagen
- New Railway line Copenhagen - Ringsted
- Nordhavnsvejen

Recently Completed
- Øresund Fixed Link
- Malmø City Tunnel
- Tunnel Hallandsåsen

In addition, it is expected that several tunnel projects will also be under construction in the other Nordic countries and technical excursions may be arranged to these projects.
7.2. Touristic Excursions

Copenhagen and the area around the Danish capital offer a wide variety of historical sites, activities and landscape to see, enjoy and experience. Here are a few suggestions.

**Copenhagen Harbour & Canal Tour**
This tour takes you through the harbour and the idyllic canals of Copenhagen, where beautiful churches, castles, picturesque old houses as well as new architectural buildings are situated. Some of the highlights are: Nyhavn - The Opera - The Little Mermaid - Amalienborg Palace - Christianshavn - Our Saviour’s Church - The Black Diamante - Gammel Strand/The old fishermen’s village - Christiansborg palace - The Naval Church - The Old Stock Exchange.

**The Magnificent Royal Castles of North Zealand**
The tour will take you through the beautiful Danish countryside along the coastline to Elsinore and Kronborg Castle. It is quite easy to understand why William Shakespeare chose Elsinore Castle as the setting for his famous play ‘Hamlet’.

The tour continues Frederiksborg Castle – which has been used by the Danish Kings since the middle of the 16th Century. The castle is surrounded by a beautiful scenic Baroque garden, and is today the home of the Danish National Historical museum. On the way back to Copenhagen, the tour will visit Fredensborg Palace - the Queen’s summer residence. Fredensborg Palace is beautifully located in the middle of a lovely park, bordering the idyllic Esrom Lake.

**The Vikings and the Danish Kings and Queens**
Roskilde is one of the oldest cities in Denmark and, in the medieval period, one of the most important cities of northern Europe, the seat of the Danish crown and an episcopal residence. More than 1000 years ago the Vikings established a trading post which developed into a major town. The Viking Ship Museum, with an outdoor ship yard and other exhibition spaces, is overlooking Roskilde Fjord. On display are the remnants of real Viking ships of various kinds discovered in the fjord itself.

Since the early 15th century the Roskilde Cathedral has been designated as Denmark’s royal burial place which together with the construction of the remarkable building is the reasons for its listing on the World Heritage List.
Bike Safari
The best way to experience Copenhagen is by bike as the Danes do. A guided bike safari with a personal guide is a different and active way to experience the city's life and architecture. The tours' themes range from Historical Copenhagen, In H.C. Andersen's Footsteps, Danish Architecture Ride, Big City Organics to Photo and Quiz Safaris. Tours are 3 hours long and it is possible to supplement the experience with lunch in the green areas along the way. Duration: 3 hours.

Danish Design Tour
Acclaimed by the Wall Paper as being the city of Design, Copenhagen has a lot to show in terms of design. This walking tour will show the best of classic and contemporary Danish design, from teapots and chairs to hotels and supermarkets. The tour will take the participants to design shops and will show them the architectural development in the city of Copenhagen. Duration: 3 hours.

The Bohemian Copenhagen – a walking tour
When visiting Copenhagen, there is an alternative to the world famous Little Mermaid, which is almost as famous: The Freetown of Christiania, a self-proclaimed autonomous neighborhood. Christiania was originally an abandoned military compound which was occupied by squatters, radical artists and intellectuals in 1970. Christiania is regarded as a large municipality by the authorities, but the area has a unique status in that it is regulated by a special law. After visiting this unofficial capital of the hippies, you can stroll through the narrow cobblestoned streets of Christianshavn - Once a working-class neighbourhood. Today Christianshavn is a trendy part of the city with its own unique personality. Businessmen, artists, yuppies, hippies and traditional families with children live side-by-side among cool cafes, boutiques, galleries and charming 19-century houses along picturesque canals.

Louisiana and Karen Blixen
The day is devoted to art and literature, starting with the world-famous Louisiana art museum. Louisiana is firmly established as the country's most visited and most internationally renowned museum. The permanent exhibition comprises a good deal of international art from the inter-war years, but Louisiana's strength lies in its post-war art – major works by such names as Arp, Francis Bacon, Calder, Dubuffet, Max Ernst, Sam Francis, Giacometti, Kiefer, Henry Moore, Picasso, Rauschenberg and Warhol. Our journey continues to the Danish home of one of Denmark's most famous writers, Karen Blixen, which has been transformed into a museum.
Design and Architecture Tour of Copenhagen
Definitions of Danish design have filled countless books and newspaper articles over the last few decades, and its essence is to be found in timeless simplicity, quality materials and function. The Danish design renaissance of recent years is founded on several great names, Arne Jacobsen, Hans J. Wegner and Poul Henningsen, among others and many of their works retains presence in Copenhagen.

Danish design and architecture are unique, and wherever you turn when visiting the city of Copenhagen, you will find examples to substantiate this claim. Here is a small selection:

**Danish Design Centre**
Those with an interest in design should pay a visit to the five-storey Danish Design Centre on HC Andersen Boulevard which hosts regularly changing exhibitions on a diverse range of design-related themes. The impressive, glass-fronted building is another of Henning Larsen’s masterpieces.

**Danish Centre for Architecture**
The old warehouse offers changing exhibitions on architecture, urban planning and related topics, as well as an excellent bookshop and café.

**The Copenhagen Opera House**
The new opera house was designed by one of Denmark’s most respected architects, Henning Larsen, and works by some of the best artists in the country have decorated the interior. From the top floor of the Opera there is a breathtaking view overlooking Copenhagen and the harbour.

**Arken Museum of Modern Art**
A short journey south of the city centre by train, takes you to the coastal suburb of Ishøj, home of the remarkable museum Arken. Designed by Søren Robert Lund, Arken’s nautical styling cues help it interact in dramatic style with the sand dunes surrounding it.
8. Social Venues

Complimentary city hall reception
Other venues for Social Events
8.1. Complimentary city hall reception

The Copenhagen City Hall, built in the years 1892-1905, is situated in the centre of Copenhagen, on the city hall square. The appearance of the city hall is dominated by its impressive front, the golden statue of Absalon just above the balcony and the tall, slim tower with a clock.

The beautiful and historic City Hall was designed by architect Martin Nyrop and both the City Hall and the shell shaped square are inspired by the city hall and square in Siena, Toscana, Italy. In this way the architect combined the older Danish architecture with Italian renaissance.

Complimentary reception for ITA-AITES
The City of Copenhagen will offer ITA a reception at the City Hall free for the delegates of ITA WTC 2015.

At the reception the renowned City Hall Pancakes will be served together with a glass of wine and there will be an official welcome by the Mayor himself or a member of the municipal government.

The complimentary reception is subject to availability and subject to application.

The reception takes place in the largest representative room of the city hall, the Assembly hall. The room is facing the city hall square and from the balcony you can wave to the crowd of people outside. A colorful ceiling, the tapestry and the town arms makes you think of the Renaissance’s great halls.
8.2. Other venues for Social Events

Copenhagen has a large and exciting variety of venues for receptions, dinner and social gatherings. Below only a few examples:

**Copenhagen Opera**
The brand new opera of Copenhagen located on the harbour front overlooking the royal palace Amalienborg. The event can include a guided tour back stage, reception and a ballet or opera with world-class artists.
Dinner 600 pax and reception 1400 pax
www.operaen.dk

**Statens Museum for Kunst – The National Galleries**
The Royal museum of fine arts offers a unique and attractive setting for your next function, centrally situated in Copenhagen. The museum can accommodate parties of any size can include music, exclusive guided tours, etc.
Dinner 800 pax and reception 1000 pax.
www.smk.dk

**New Carlsberg Glyptotek**
The Glyptotek offers unique surroundings in the museum’s beautiful winter garden and Central Hall for a banquet or a reception. The Glyptotek is the home of the largest collection of Etruscan art outside of Italy.
Dinner 280 pax and reception 350 pax
www.glyptoteket.dk

**The Old Stock Exchange**
The old Stock Exchange, built by Christian IV in 1619-1640, exudes historical atmosphere. The building offers many reception rooms, both large and small, all differently decorated, and each with its own historical character.
Dinner 350 pax and reception 350 pax
www.borsbygningen.dk
Tivoli Gardens
Is one of the world’s oldest amusement parks and is situated right in the centre of Copenhagen. It is a world of flowered gardens, coloured lights, live concerts and entertainment. Have a reception in the beautiful garden or in the Aquarium Hall housing the longest saltwater aquarium in Europe. Alternatively have dinner in one of the many prestigious restaurants inside Tivoli. Dinner 500 pax and reception – open www.tivoli.dk

Øksnehallen – The Oxen Hall
Øksnehallen is one of Copenhagen’s most attractive and distinctive venues. The more than one-hundred-year-old building was once a cattle market but has since been restored. It has won several architectural awards for the unique design of its beautiful, bright hall with its 126 columns. Dinners 2500 pax and receptions 3400 pax www.oeksnehallen.dk

Wallmans
A unique venue located in the former Copenhagen Circus Building in the centre of Copenhagen. The entire building plays a part when it comes to getting the dialogue and interaction between the participants going from the seven-level Circus Dome auditorium to the intimate design in the Stables. Dinner 925 pax and reception 1200 pax www.wallmans.dk

Carlsberg Brewery
The historic meeting and event place Carlsberg Brewery is popular for all kinds of conferences, events and banquets. The buildings are beautiful and the beer, “probably the best beer in the world”. Many different rooms and halls for smaller and bigger groups. www.visitcarlsberg.dk
See you in Copenhagen

Danish Society for Tunnels and Underground Works
www.dftu.dk
dftu@dftu.dk

Photos are courtesy of Wonderful Copenhagen and Copenhagen Media Center,
www.visitcopenhagen.com/media and www.copenhagenmediacenter.com