

"COWI LIGHTING DESIGN HAS A TRADITION FOR UNCONVENTIONAL AND INNOVATIVE LIGHTING DESIGN. OUR EXPERIENCE AND KNOWLEDGE, FROM THE SINGLE LIGHT SOURCE TO COMPLEX PERMANENT INSTAL-LATIONS, ENSURES A SPECTACULAR AND UNIQUE LIGHTING DESIGN THAT PROVIDES AN EXPERIENCE BEYOND THE ORDINARY"

Jørgen Kjer, IALD

PROJECT PORTFOLIO

Cover, Ofelia Square by Jens Lindhe Content and graphic by COWI lighting design Printed by COWI Print

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Design Museum Denmark

The Danish Chair - an international affair.

The new permanent exhibition at Design Museum Denmark tell the storey of how danish design became an international brand. 110 chairs, all design classics, are exhibited and lit as singel gems in a box.

The lighting design includes visitor triggered sensors and costumized back lighting for the display.

LOCATION Copenhagen, Denmark

COLLABORATION Boris Berlin Design Design museum Denmark

AREA 1.500 m²













Moesgård Museum MOMU

The new Moesgård Museum is a rare architectural gem: an enormous gallery housing some of Denmark's most important prehistoric treasures. In several parts of the museum created the illusion of sunlight using modern LED technology and classic theatric effects. For the guest, COWI's lighting design adds to the experience and accentuates the architecture. For the museum, it means lower power consumption, making Moesgaard one of the most energy efficient museums in the world.

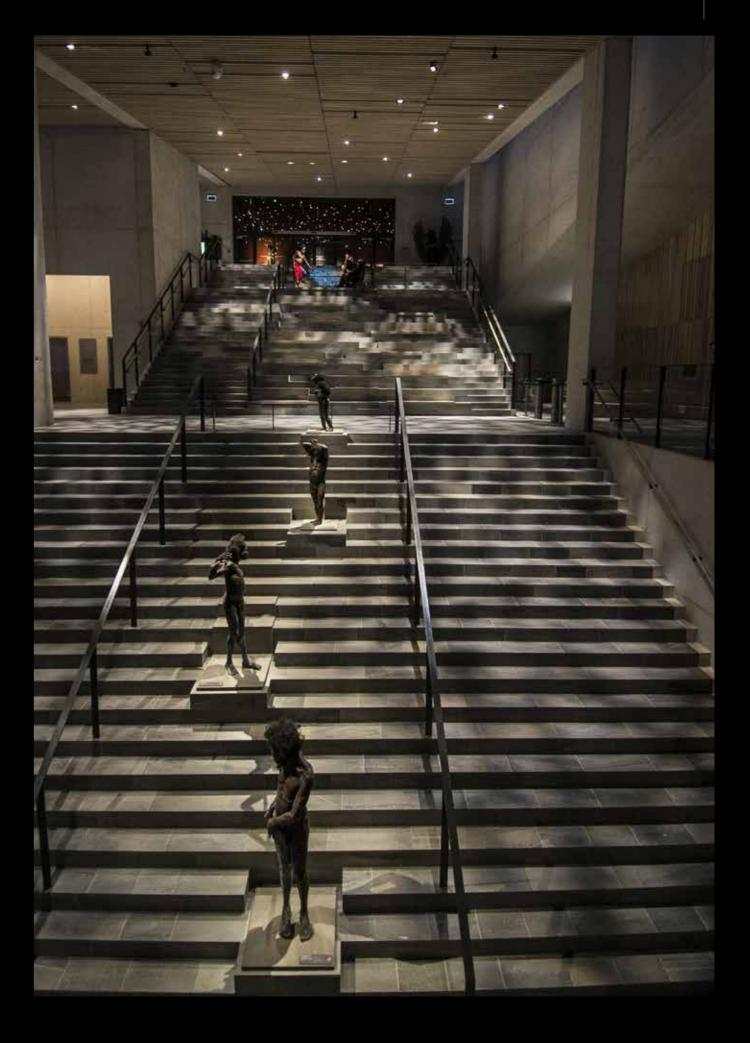
COWI's services: Lighting design, natural light and artificial light level simulations, 3D lighting renderings and consulting concerning conference and stage technology

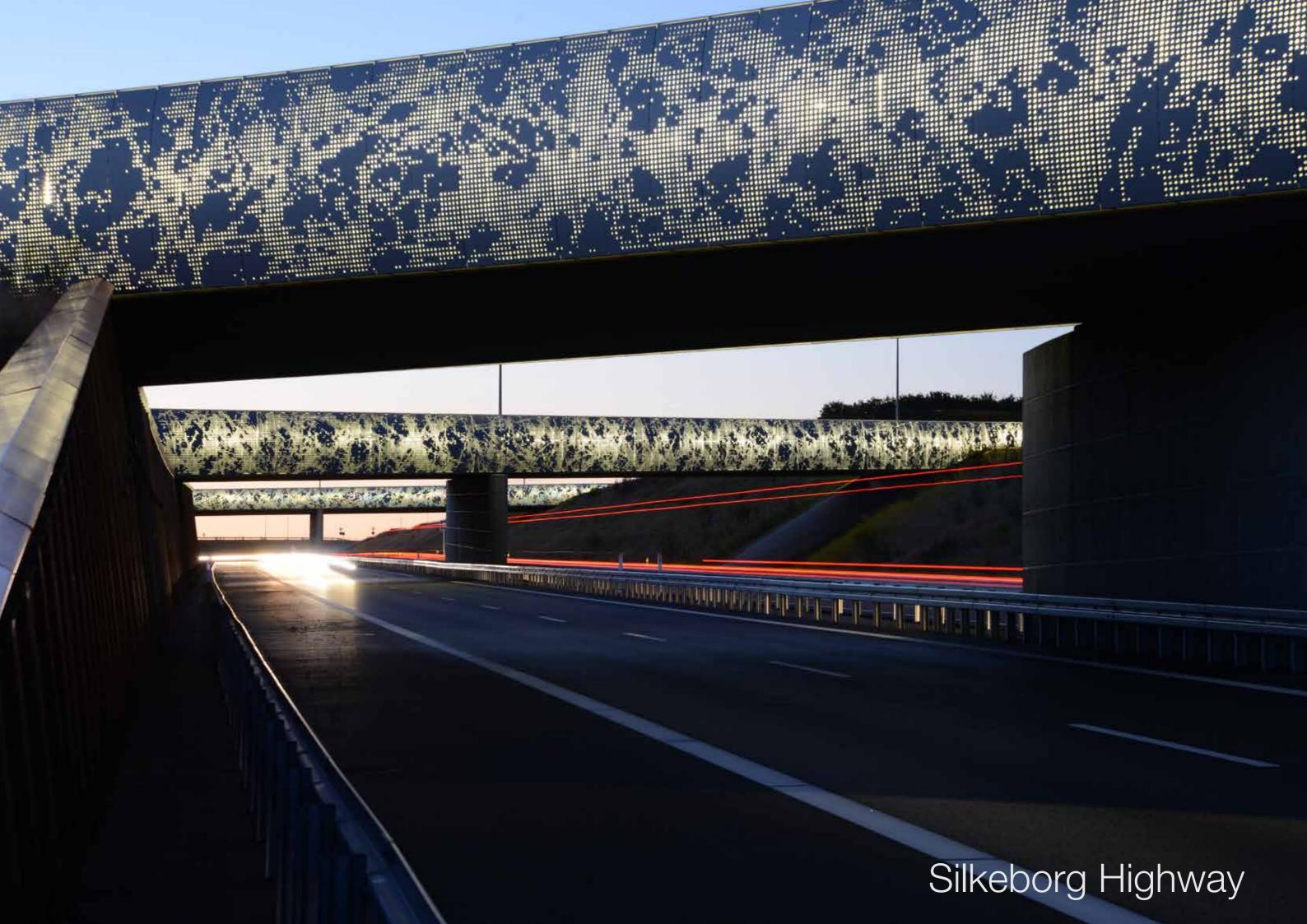
LOCATION Aarhus, Denmark

COLLABORATION Henning Larsen Architects

AREA 3,200 m²

YEAR 2009-14





Silkeborg Highway

Lighting design, solution development and execution of lighting for five bridges over Silkeborg Highway. At dusk, the perforated aluminium sheets on the bridges are illuminated with the special light patterns.

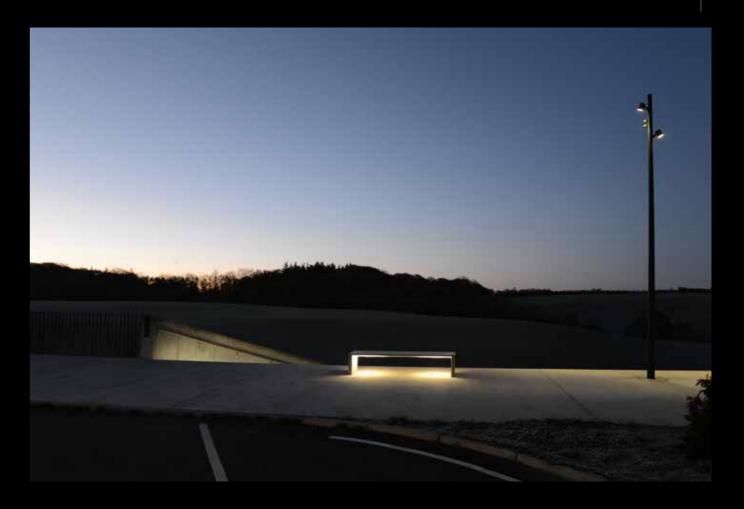
The lighting design includes the entire resting facility for the highway. The entire lighting design engages visual experiences for users, while functional requirements ensure the safety for the highway.

COWI's services: Lighting design, artificial light level simulations, 3D lighting renderings and execution.

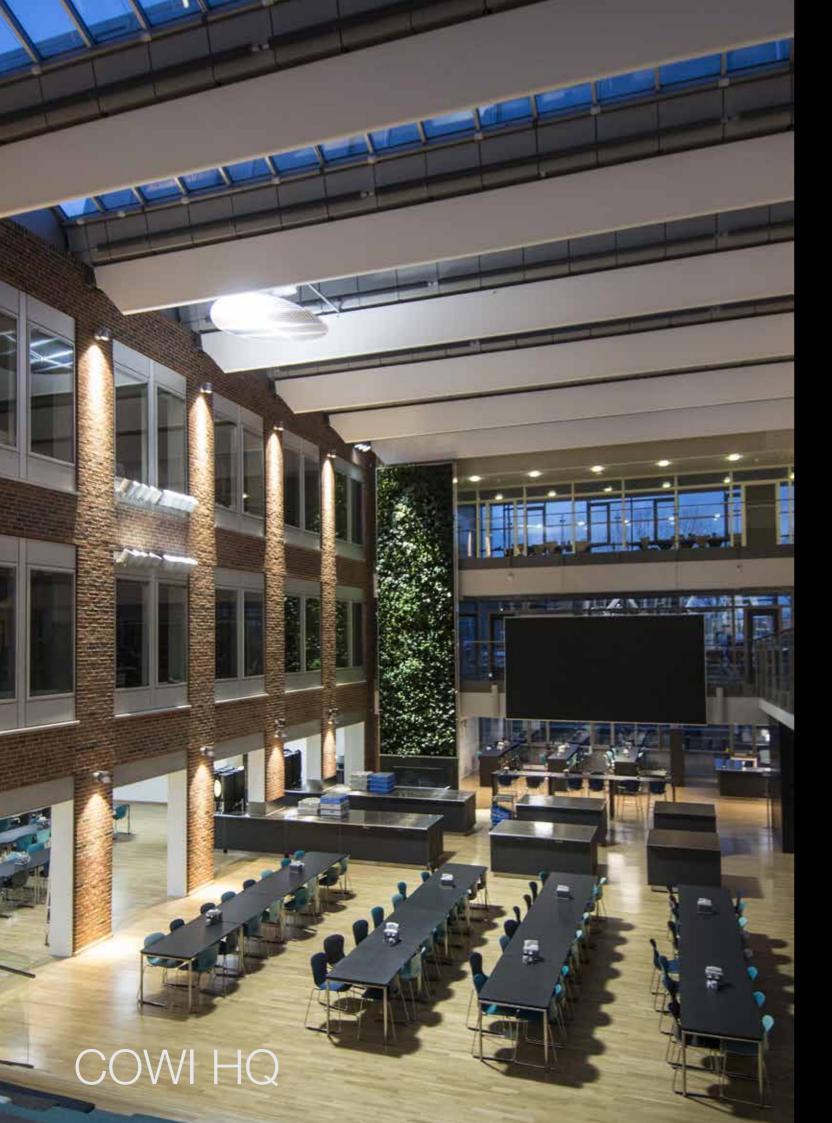
LOCATION Silkeborg, Denmark

COLLABORATION Vejdirektoratet

AREA 50.000 m²











COWI HQ

COWI has set a new standard for office lighting by introducing dynamic lighting in COWI's newly renovated headquarters in Lyngby, Denmark.

The project includes 16,000 m2 office space with large areas of meeting facilities.

A new iconic bridge combines the existing buildings. The new brigde found way into the project, together with a large staircase and new staff canteen, all designed by Dissing & Weitling.

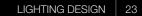
LED lighting fixtures were developed for this project, for both indoor and outdoor use.

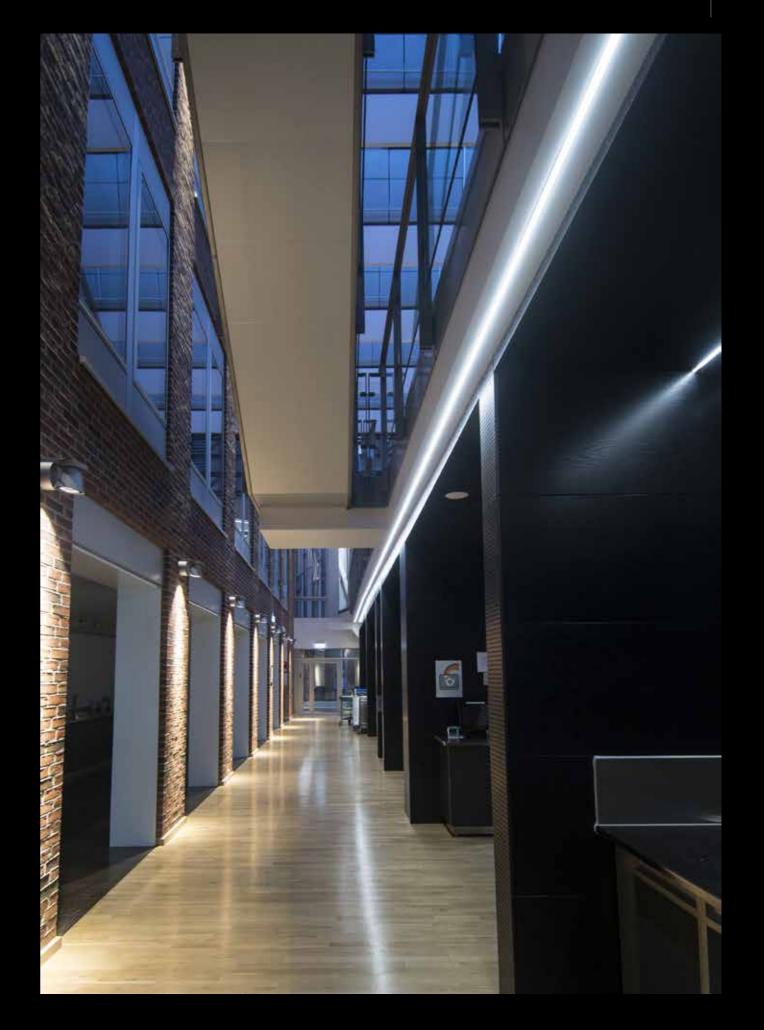
LOCATION Lyngby, Denmark

COLLABORATION Nordea ejendomme Dissing & Weitling

AREA 16,000 m²

YEAR 2013-2015





Copenhagen Metro

Public space interior and exterior lighting design for the Copenhagen Metro.

The project involves designing the lighting concept for metro stations, including specially developed solutions for general lighting. One of the key concepts was to use reflected lighting. Lighting technology was developed for several signature stations over ground with associated outdoor public areas. The project also includes dynamic artificial daylight in all the underground stations.

LOCATION Copenhagen, Denmark

COLLABORATION Arkitema

AREA 30,000 m2

YEAR 2015-



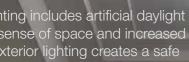
LUX Campus Lund

LUX is composed of seperate buildings from different time periods that have been joined in a modern unity that houses the Faculties of Humanities and Theology at Lund
University. The property includes a large library, modern lecture halls and classroo several conference rooms, offices, a café foyers and a spectacular atrium.

The interior lighting includes artificial daylight that creates a sense of space and increased comfort. The exterior lighting creates a safe and welcoming environment.

LOCATION

COLLABORATION Jais Architects











Kilden

Interior and exterior architectural lighting design of a large cultural building including a spectacular facade and foyer area, a concert hall, and a theatre. No-glare inground light fixtures were developed specifically for this project.



Nomination:

THE NORWEGIAN LIGHTING AWARD 2013

Jury's comment:

The lighting design manages to unite the interior and exterior, creating a transparent landmark that invites people to enter. Clear and distinct choices of good design have been made. Every single reflector is adapted for accurate position in relation to the inclined wall. The task is difficult and the client should be praised for the detailed design executed so seriously and accurately. The level of precision of this solution sets an example for other projects.

LOCATION

Kristjansand, Norway

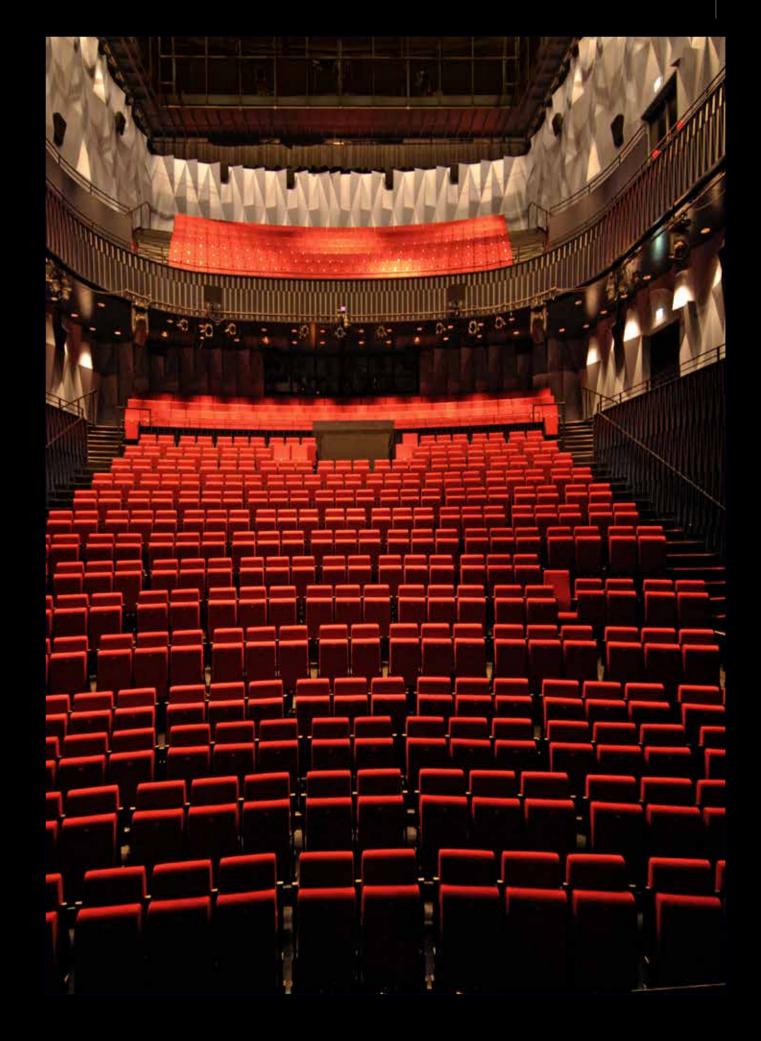
COLLABORATION
ALA Architects, Kristiansand Municipality

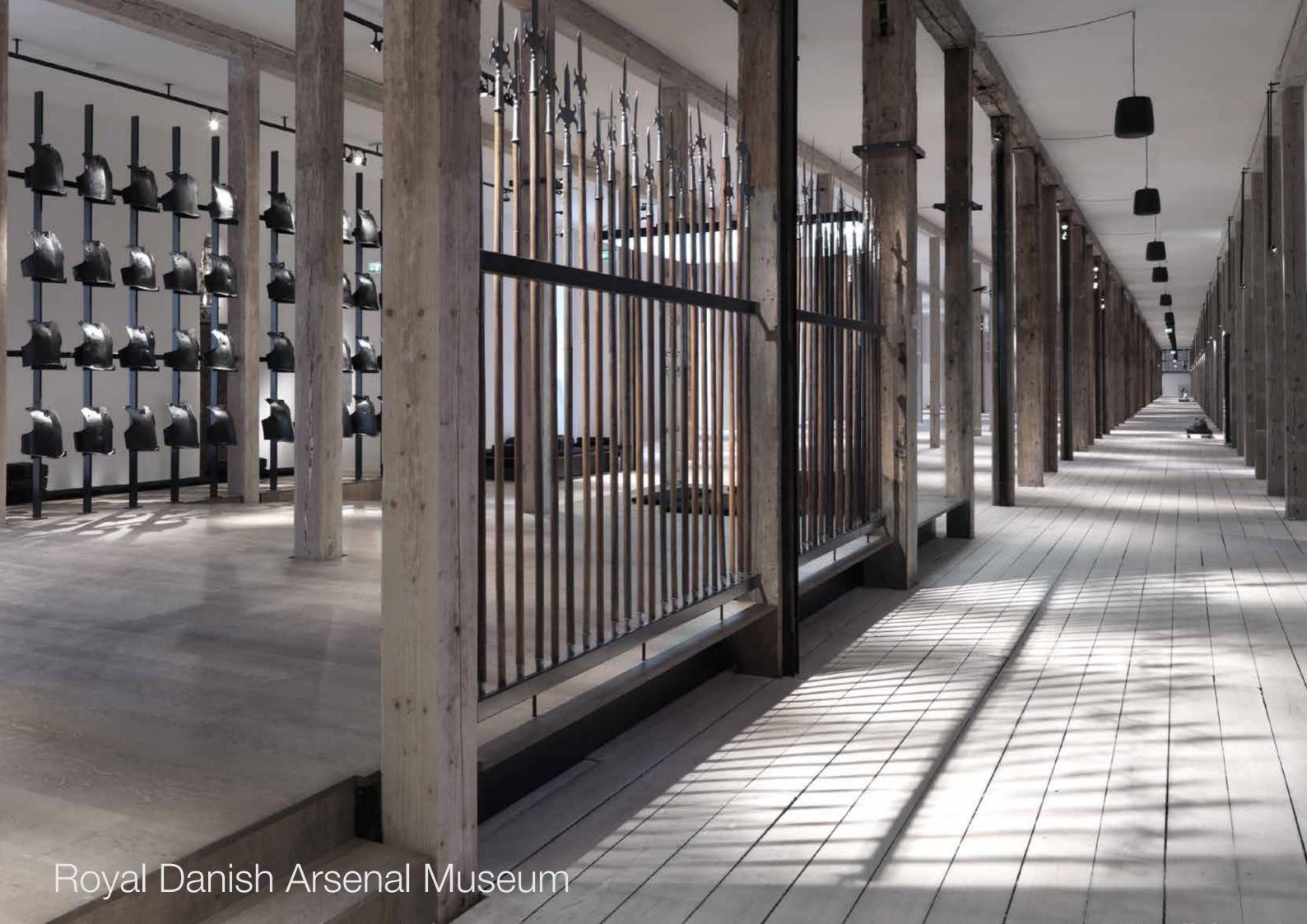
AREA

16,500 m²

YEAR 2008-2012







Royal Danish Arsenal Museum

Lighting design and technical consultancy for a permanent 8,000 m² exhibition in a classified building. The project included the overall lighting design and the development of several lighting fixtures with magnetic attachments.

"Standing in Tøjhusmuseet's newly renovated room on 1st floor, one cannot help being impressed. This is a spectacular collection of war gear, exhibited with an artistic expression."

- Berlingske newspaper

LOCATION Copenhagen, Denmark

COLLABORATION JAC Studio

AREA 8,000 m²

YEAR 2011-13













The National Library of Greenland

The library functions as a public and national library, and the building is often used for other purposes, for instance drum dance, theatre performances and exhibitions. This demands a high flexible lighting solution.

The Nuuk National Library (Nunatta Atuagaateqarfia) has recently completed a thorough renovation, which included a new ventilation system and a fully controllable daylight simulating lighting system with small tiltable downlights. Each floor is devided into approx 17 zones which ensures flexibillity in the lighting design.

LOCATION Nuuk, Greenland

COLLABORATION TNT architects and Vanpeé & Westerberg

AREA 900 m²











GL. HOLTE KIRKE

Location: Lyngby, Denmark 2.000 m² Area: 2011-2012 Year:



THE DANISH RAILWAY MUSEUM

Odense, Denmark Location: Area: 1.500 m² Year: 2017



DTU LIFE SCIENCE & BIOENGINEERING **CAMPUS**

Collaboration: Rørbæk & Møller Location: Lyngby, Denmark 40.000 m² Area: 2014-2016 Year:



TEGLHOLMEN, SIKKER SKOLEVEJ

Copenhagen, Denmark Location: Via Trafik, Gottlieb Paludan Collaboration:

2012-2015 Year:



PAKHUSET

Copenhagen, Denmark Location: Lundgaard & Tranberg 16.500 m² Collaboration: Area:

2009-2014 Year:



STOREBRAND HQ

Oslo, Norway Link Signatur Location: Collaboration: 1.200 m² Area: 2010 Year:



COPENHAGEN AIRPORT FINGER E

Copenhagen Denmark ZESO and Wilhelm Lauritzen Arc. 22.000 m² Location: Collaboration:

Area: 2016-Year:



GRUNDFOS VISITOR CENTER

Collaboration: Kvorning design & kommunikation Location: Bjerringbro, Denmark

850 m² Area: 2012 Year:



CLIENT CONSULTANCY

THOMAS B THRIGES GADE, DK

Client consultancy regarding lighting design for several new urban spaces in Odense towncenter Area 10,000 m² . 2015

FIELDS SHOPPING CENTER, DK

Client consultancy regarding overall lighting design for Food Court and cinemabridge. Daylight and dynamic artificial lighting. 2015

NEW HOSPITAL NORTH SEALAND, DK

Client consultancy regarding overall lighting design, both architectural and dynamic artificial lighting. Area 124,000 m². 2014 -2018

TUV RAILWAY, SWEDEN

Lux measurement and documentation for various train stations. 2014 .

COPENHAGEN METRO, DK

Lux measurement and documentation for various train stations. 2014.

HVIDOVRE COMMUNITY CENTER, HVIDOVRE DK

Specification for houselighting and controlsystem in 600 seat multihall. Project includes RGB profile fixtures. 2013- 2014.

BLOX

Client consultancy regarding advanced lighting controlsystem both for public, exhibition and office areas. Consultancy on conference technology as well. 2013-2014.

THE BLUE PLANET, KASTRUP DK

Client consultancy regarding lighting and exhibition technology in the audience areas of the aquarium. Consultancy on conference and stage technology as well. 2007-2013.

KING ABDULLAH II HOUSE OF CULTURE & ART, JORDAN

Client consultancy on architectural lighting design for the construction of major cultural centre featuring concert hall and a theatre hall designed by Zaha Hadid Architects, 2010-2013.

GUIDING LIGHT, MUSCAT OMAN

Lighting design concept development for a large lighthouse monument at Muscat Harbour. The lighting design concept involves many spectacular ways to use light - both day and night. One of the lighting designs uses the monthly full moon, small flames and torches. In collaboration with Lundgaard & Tranberg Architects. 2011-12.

NORDEA NORDIC BANKING, SCANDINAVIA

Technical consultancy on complete renovation and replacement of light sources in various facade signs in the Nordic countries. 2008-2010

NETDESIGN. FARUM DK

Development and optimization of video conference lighting. The lighting concept was planned for interior and exterior use. 2010.

TRYG VESTA HQ, CPH DENMARK AND BERGEN NOR-

WAY.Lighting design and technical consultancy for the client regarding a larger indoor and outdoor renovation of the TrygVesta headquarters in Copenhagen and Bergen.

In collaboration with Fridbjørk Architects, 2009-2010.

WAVES SHOPPING CENTER, HUNDIGE DK

Daylight calculations and consultancy on daylight. In collaboration with PLH Arkitekter. 2009.

LOUISIANA PAVILION, HUMLEBÆK DK

Design and planning of light and solar cell system for sculpture in connection with the exhibition "Fremtidens arkitektur er grøn" (Future architecture is green) at Louisiana. In collaboration with 3XN A/S, 2009.

CONCERT HALL, RIGA, LATVIA

Development of the stage technical part in the program of requirement for a large and advanced concert hall.

Collaboration partner: Latvia Council. 2008 - 09

TIETGENS HUS, CPH DK

Preparation of lighting concept for exterior and interior lighting of completely renovated bank rooms. Several customised daylight solutions, 2008.

THE NATIONAL BOARD OF INDUSTRIAL INJURIES

Copenhagen. Consultancy in connection with solving lighting problems in offices.

In collaboration with the Agency for Culture and Palaces. 2008.

DR BYEN

News and sports, Ørestaden. Lighting design and test of solutions for TV studio and surrounding editorial secretariat. In collaboration with DR design. 2006-2007.

SERVICES

COMPETITION PROPOSALS

ATMOSPHERIC IMPACT

SKETCHING

CLIENT CONSULTANCY

3D-MODELLING

VISUALISATIONS

LIGHT CALCULATIONS

ENERGY OPTIMATIONS

LIGHTING TEST

MOCK-UPS

FIXTURE DEVELOPMENT

LIGHITNG CONTROLS

BIM

ELECTRICAL ENGINEERING

SUPERVISION

LIGHT MEASUREMENTS

FOCUSSING

COMISSIONING

LIGHTING DESIGN

LIGHT PLANS

Parallelvej 2 DK-2800

Kongens Lyngby

Denmark

PHONE +45 5640 0000

EMAIL cowi@cowi.com

WWW cowi.com

www cowi.dk/lysdesign

CONTACT Jørgen Kjer

Lighting Designer +45 4061 1440

kjer@cowi.com

Lisa Dam Trapp Lighting Designer

litp@cowi.com

Stefan Pavic Lighting Designer

stpa@cowi.com

