

Networking Book

Organizer ATV – Danish Academy of Technical Sciences,
C/O BLOXHUB, Frederiksholms Kanal 30, A1, 1. floor,
1220 Copenhagen K

Date Week 38, September 15, 2019

Place New Delhi, Bengaluru

Meet the exclusive group of 26 high-level
Danish senior scientists, deans and business executives

ATV Science & Engineering-Study Tour to India

New Delhi and Bengaluru



Photography by Rasmus Hjortshøj

View of BLOX– where the Danish Academy of Technical Sciences recently located its headquarters. BLOX is offering an interdisciplinary innovation environment for sustainable urban development. The building and space around it provide a setting for recreational outdoor urban spaces, playgrounds, homes and cafés as well as a unique forum for architecture with room for work, exhibitions, research and reflection. A place that embraces both popular and professional activities.

The Purpose

The overall purpose of this study tour is to collect and exchange knowledge and form relationships that can provide a future fruitful collaboration with mutual benefit.

Sustainable growth is an overarching theme – focusing on how new technology can provide sustainable and environment-friendly solutions.

We are specifically interested in gaining an understanding of the knowledge ecosystem in India and which role the different topics as i.e. research, technology and innovation plays in Indian vision for sustainable growth.

The Danish Academy of Technical Sciences Delegation wants to learn how successful Indian engineering clusters (knowledge ecosystem) form and function in order to foster successful breakthroughs.

The task is to learn from the best in class and get insight in the latest trends in technology and science by visiting different government officials, leading universities, companies, clusters and ventures.

Along understanding the Indian knowledge ecosystem we hope to get inspiration and build strong connection that can reinforce India-Denmark cooperation to a higher degree on sustainable technological solutions for mutual benefit.

I hope that this will help to connect easily with one another.

Enjoy!

Kind regards



Lia Leffland
Managing Director
ATV

Six sentences on what we hope to learn:

- India's ambitions on developing and implementing sustainable growth.
- How the Delhi and Bengaluru regions strive to build a high-tech, regional knowledge ecosystem around sustainable growth with world class ambitions.
- Collaboration models that foster fruitful benefits for universities, established companies and start-ups, ventures and government.
- How the knowledge ecosystem players focus on attracting global competencies and businesses.
- Agile innovation processes that challenge traditional organization structures, with ideas and examples on how to transform science to business.
- How India and Denmark can cooperate to a higher degree on sustainable technological solutions for mutual benefit.

ATV's Science & Engineering-project is made possible due to kind contributions from our sponsors:



The ATV team in charge of the study tour



Lia Leffland

Lia heads the management and financing of ATV's Science & Engineering-project

Lia Leffland has 20+ years of experience in the field of Danish higher education, innovation and research policy and stakeholder involvement. Lia holds a M.Sc. in Chemical Engineering from the Technical University of Denmark. Before joining ATV in 2012, Lia was the Head of Department in the Danish Ministry of Science and Education working on international student exchange programmes.



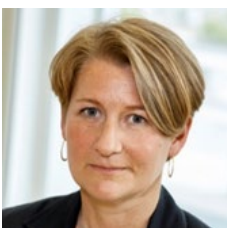
Dorthe Brander Pedersen

Dorthe heads the ATV group Technology for Sustainability. Dorthe Brander Pedersen has more than 25 years of experience with food politics and regulation, partnership building and project management. Before Dorthe joined ATV, she worked at Nestlé, Danish Industries, Danish Slaughterhouses and the Danish Veterinary and Food Administration. Dorthe holds a M.Sc. in Food Science from the Royal Veterinary and Agricultural University.



Bjarke Wiegand

Bjarke heads the S&E-project's external communication and stakeholder involvement. Bjarke Wiegand has 25 years of experience with communication, journalism and event development in the field of technology, innovation, sustainability and growth management / policies. Bjarke is an engineer specialized in production and technology management and has formerly been employed by both think tanks and specialist media.



Vibeke Schrøder

Vibeke heads the S&E-project's analysis activities and services the S&E Committee. Vibeke Schrøder has more than 25 years of experience in the field of research management and research politics. Before Vibeke joined ATV, she worked at both the Danish National Research Foundation and the Danish Ministry of Higher Education and Science. In addition, Vibeke has an academic background in description and analysis of knowledge ecosystems. Vibeke holds a M.Sc. in geography from the University of Copenhagen.

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Participants:

Professor, Chief Physician, MD Andreas Kjær	Rigshospitalet, University of Copenhagen
Chairman of the Board Bent Claudi Lassen	Wefri, FoodNetwork DK, FoodNexus Nordic
Senior Advisor Bjarke Wiegand	ATV - Danish Academy of Technical Sciences
CEO Carsten Orth Gaarn-Larsen	CLEAN
Programme Director Dorthe Lybye	Rockwool International A/S
Senior Advisor Dorthe Brander Pedersen	ATV - Danish Academy of Technical Sciences
Dean Henrik Bindslev	University of Southern Denmark
Director John Finnich Pedersen	Firstmind
Head of Office John Sarborg Pedersen	Technical University of Denmark
President Jukka Pertola	ATV - Danish Academy of Technical Sciences
Dean of Research Katrine Krogh Andersen	Technical University of Denmark
CEO & Founder Lars Lammert Nielsen	NielsenNetwork
Senior Vice President Lars Raadkjær Enevoldsen	Kamstrup A/S
Managing Director Lia Leffland	ATV - Danish Academy of Technical Sciences
Executive Vice President Mads Søndergaard	NIRAS A/S
Professor Maja Horst	Technical University of Denmark
Professor Michael Zwicky Hauschild	Technical University of Denmark
Dean, Professor Mogens Rysholt Poulsen	Aalborg University
CEO & Founder Per Falholt	Per Falholt Global R&D Advisory Services
Provost Rasmus Larsen	Technical University of Denmark
Professor Stephen Alstrup	University of Copenhagen
Dean of Research Søren Hvidkjær	Copenhagen Business School
Senior Director Søren Kamaric Riis	Oticon Medical
Director of Science Thomas Bjørnholm	VILLUM FONDEN
Member of the Board Ulla Röttger	The Danish Green Investment Fund
Senior Advisor Vibeke Schrøder	ATV - Danish Academy of Technical Sciences

In India, we will be accompanied by:

Deputy Chairman Claus Resen Steenstrup	Henning-Holck Larsen Foundation
Director, Stakeholder Relations Gs Krishnan	Novozymes, India
Consul General Jette Bjerrum	Innovation Centre Denmark
Innovation Advisor Twinkle Jawrani	Innovation Centre Denmark
Innovation Associate Joseph Kurian	Innovation Centre Denmark
Counsellor Jakob Williams Ørberg	Innovation Centre Denmark

Head of the Delegation

- Per Falholt
- Chair, board positions
- DTU, the Technical University of Denmark



Background:

Working with global R&D for +30 years, new Technology Development and launch of innovative products for global consumer companies. Currently holds a number of board positions, Chair at DTU and Universe, board participation in Danfoss, DHI and Cytovac.

Expectations to the trip: I look forward to meeting and seeing one of the fastest moving regions within Science and Innovation in the developing world. The speed with which innovations are pushed forward, and understanding how this is possible and what the risks associated with these projects are in terms of success/failure rate. In general, to understand how the Biotech area is developing and which options we have for forming collaborative partnerships.

I can contribute with: Deep insight in Industrial Biotech and University Education. Long experience in running global partnerships and a global R&D organization. Head of the study tour programmes of the ATV Science and Engineering-project

Meet the Delegation

- Andreas Kjær
- Professor, Chief Physician, MD
- Rigshospitalet, the University of Copenhagen



Background:

I am a clinician-researcher (MD, PhD, MBA) within medical molecular imaging and cancer theranostics. I hold positions as professor at University of Copenhagen and as chief physician and head of research at Dept. of Nuclear Medicine at the National University Hospital (Rigshospitalet). I am driven by taking new technologies for tailoring cancer therapy into clinical use for the benefit of patients. I am the co-founder of several start-ups.

Expectations to the trip:

To pursue this, I believe an international outlook and collaborative effort is essential. I expect to gain deeper insight into how the science and engineering ecosystem works in India to learn how we can strengthen our collaboration with India for the benefit of both parties.

I can contribute with

A life science start-up view on the above-mentioned topics.

Meet the Delegation

- Bent Claudi Lassen
- Chairman, board member
- Various companies



Background:

Former chairman or board member in a number of large companies primarily in the food sector (Tulip, Danish Crown, Lantmännen Unibake).

Chairman or vice chairman in a number of branch organisations and several public committees and boards, particularly research focused.

Keywords for my work have been business development of companies and organisations with the objective of improving competitiveness, increase goal-oriented ownership and raising member dividends. Other keywords are participation in and determination of short- and long-term strategic goals for companies and sectors.

My expectations for the trip

are that we will gain insight and knowledge that can be used so that

- Our companies can continue to be competitive in the world market
- Our universities can remain among Europe's strongest in their field

I can contribute with:

My commitment and knowledge about the involvement of food businesses in the global market.

Meet the Delegation

- Carsten Orth Gaarn-Larsen
- CEO
- CLEAN



Background:

Carsten is CEO of CLEAN, the largest cleantech cluster in Denmark and globally amongst one of the largest of its kind. Key focus areas are energy and resource efficiencies. CLEAN is an innovative voice within national and international cleantech and provides deep insight into the Danish research, education and innovation system - strongly associated with business, regions, municipalities, universities and interest groups. Prior to joining CLEAN, Carsten headed the Danish National Advanced Technology Foundation whose primary focus was to create growth through public private research collaborations. Carsten also worked for the national incumbent telco, TDC, when it went from monopoly to private company.

Carsten holds a M. Sc.E.E. from DTU, a diploma in Foreign Trade and a M.Sc.Econ. from CBS. Carsten is a Harvard Business School AMP 185. He was the president of ATV 2015-2017.

Expectations to the trip:

Change is made by nations and individuals. Mobilisation of nations and strong, ambitious individuals for a worthy cause is a precondition for change. To me, the insights of this trip will help shape the thoughts and minds of key decision makers in Denmark. Learning from the best sparks new directions and sets agendas.

Connecting with the group and meeting others who want to change the world is fabulous.

Meet the Delegation

- Dorthe Lybye
- Programme Director, group development
- ROCKWOOL International A/S



Background:

Dr Dorthe Lybye is Programme Director in ROCKWOOL International, the world's largest producer of stone wool-based products, heading the research activities and central laboratories. Main responsibility is to ensure that ROCKWOOL has up-to-date technical knowledge on all aspects of the stone wool technology from fibre to process and products. Dr Lybye is a member of the Industry Advisory board at the Technical University of Denmark and at the Faculty of Natural Sciences at Roskilde University. Dr Lybye is also Chairman of the Board of directors in the LINX association, where industry and academia work together to ease and facilitate industry use of largescale neutron and X-ray facilities.

Dr Lybye holds a M.Sc. Chem. from DTU and a PhD in Materials Science. She is the author of several peer-reviewed papers and co-inventor on four patents. In ATV, Dr Lybye is the chairman of the programme "Industrial Production of the Future".

Expectations to the trip:

I am curious to learn about India in India. How does industry, education and public sector play together? I look forward to meeting a lot of inspiring people, companies, universities and investors and get more insight into the "Indian Way" of doing things. What role does culture and mindset play and how does it differ from the Danish? I am sure this insight will bring new learnings and broaden my mind. I am also looking forward to sharing and discussing this experience with my fellow travellers and put it into the Danish perspective.

I can contribute with:

Experience about open innovation and how to manage - or rather not manage - these types of setups in order not to kill new ideas.

Meet the Delegation

- Henrik Bindslev
- Professor, Dean
- SDU, University of Southern Denmark



Background:

Professor Henrik Bindslev has been engaged in energy research for more than 25 years. Currently he is Dean of the Faculty of Engineering at SDU, Chair of CLEAN, a partnership of 170 companies and universities in clean tech, and Chair of SDI, which invests in early stage start-ups. He also is a member of the boards of Lindø Offshore Renewables Center, Manufacturing Academy Denmark, and Universe Science Park. He was formerly Director of Fusion for Energy, the European Joint Undertaking developing Nuclear Fusion and building ITER, and Director of Risø DTU, the Danish National Laboratory for Sustainable Energy. He also was a Founder and Chair of the European Energy Research Alliance (EERA), Danish national delegate to the European Strategy Forum on Research Infrastructures (ES-FRI) and Chair of ESFRI's Energy Strategy Working Group. He holds an MSc from DTU and a PhD in Plasma Physics from the University of Oxford.

Expectations to the trip:

Henrik Bindslev hopes to bring home loads of inspiration – inspiration from companies, thought leaders, research and innovation environments who have tried bold new ways of innovating in business, with and without academia. Danish Universities have a history of successful and fruitful collaborations with industry. However, Henrik believes that there is room for optimising this valuable interaction. Accordingly, he hopes to absorb the most recent knowledge and knowhow on how to create the best settings for ideas to be spawned, matured and put into practical use. Henrik also hopes to sow the seeds for new partnerships in research and innovation.

I can contribute with:

Henrik Bindslev can contribute with extensive experience with research and research management from top level positions at Danish Universities and as former Director of Fusion4Energy.

Henrik has long been engaged in optimizing the collaboration between academia and industry to further competitiveness and serve society, and to position Denmark as a leading Science and Engineering region. He also has vast experience in innovation and innovative thinking and a keen interest in start-ups. He brings passion and curiosity for new technology and new ways of doing things and hopes to inspire and be inspired.

Meet the Delegation

- John Finnich Pedersen
- Chairman, Consultant
- Firstmind Consulting Communication ApS



Background:

John Finnich Pedersen has a background as a M.Sc.E.E from 1980. He has worked within R&D, sales and marketing and general management. Today he runs his own consultancy business, is member of the Accreditation Council and has a number of foundation board positions. He was a senior manager with Siemens in Denmark for more than 20 years, where he was responsible for communication and university relations. He has chaired the work group "Science and Engineering in Education" at ATV.

Expectations to the trip:

I hope to learn how and why STEM education is equally popular among genders and how the quality in university education is maintained in a rapidly changing environment and to see good examples of knowledge transfer from public research to corporations.

I can contribute with:

I can contribute with a good insight in higher education in Denmark and research cooperation between companies and universities.

Meet the Delegation

- John Sarborg Pedersen
- Head of Policy and Secretariat
- DTU, the Technical University of Denmark



Background:

John Sarborg Pedersen is the Head of Policy and responsible for the secretariat of DTU's Board of Directors. DTU is an elite engineering university with 6,000 staff and 12,000 students. He works on a daily basis with the Danish Parliament, the Ministry of Science and Technology, and the Ministry of Energy and Climate to increase public spending to technical science in Denmark and to improve the framework conditions for technical science overall. Prior to coming to DTU in 2000, he worked at the Confederation of Danish Industry as an advisor on information technology, education and research policy. He also has worked as a consultant to private companies on innovation, business development and capacity building. In addition, he has been employed by the Danish Ministry of Science and Technology and by the Ministry of Foreign Affairs. He has served as a science and technology attaché for four years at the Danish Embassy in Washington D.C., USA. He holds a MSc in Political Science from Aarhus University and a Certificate in Business Administration from the private university AVT Business School.

Expectations to the trip:

John Sarborg Pedersen is looking forward to experiencing the number of cutting-edge development areas of Science and Engineering in India. Also, he is looking forward to achieving an understanding of the government's role for progress in science and technology in India and the benefits of start-ups to the society.

I can contribute with:

Knowledge of investments in science policy and the impact on growth of society. Collaboration between universities and the private sector as well as detailed knowledge of energy policy.

Meet the Delegation

- Jukka Pertola
- President
- ATV – Danish Academy of Technical Sciences



Background:

My background is in technology; 33 years in various positions at Siemens, one of the broadest technology conglomerates in the world. I have 25 years' management experience in ICT, energy, industry, infrastructure and healthcare sectors with various business models stretching from B2C to complex project business, IT outsourcing solutions, technology services and professional services. Since 2017 I have worked as a professional non-Executive Board member and Chairman in various companies; current positions include: Tryg A/S (Chair), Siemens Gamesa Renewable Energy A/S (Chair), COWI Holding A/S (vice Chair), GomSpace Group AB (Chair), Asetek A/S (Chair), IoT Denmark A/S (Chair), Monsenso ApS (Chair) and Industriens Pension A/S. As the president of ATV my central task is to ensure the execution of ATV's chosen strategy: to make Denmark one of the leading Science and Engineering regions in the world.

Expectations to the trip:

Personally and on behalf of the Presidium of ATV, it is important to learn to know what are the critical success factors for an important Science and Engineering region. How do the research institutions and private companies effectively work together? What is the importance of alumni networks? Does sector mobility, i.e. interchange between the universities and private sector, play a key role in an effective S&E region? The role of financing; how to create a well-functioning financing ecosystem for both the start-ups, growth companies and well-established businesses? How should the public sector, both local and central governments support a successful S&E region? How to measure the success of an S&E region?

I can contribute with:

I can contribute with my work experience with large and small technology companies and understanding the need to and challenges with the cooperation between private companies and universities. I have also worked within public funding of the innovations and tech transfer from the universities to the companies as the board member of the Danish Foundation for Advanced Technology (Højteknologifonden).

Meet the Delegation

- Katrine Krogh Andersen
- Dean, Senior VP
- DTU, the Technical University of Denmark



Background:

Katrine Krogh Andersen is the dean of research and senior vice president at the Technical University of Denmark (DTU). She has long experience in working in climate change and energy, both at universities and in government agencies. Before joining DTU she was the director for research and development at the Danish Meteorological Institute. She is a member of the Danish Science and Innovation Policy Council, and chairman of the National Committee for Research Infrastructure. Moreover, she is board member of a number of national collaborations on e.g. clean tech, supercomputing and personalized medicine.

She holds a PhD in physics from the University of Copenhagen, Denmark.

Expectations for the trip:

I am looking forward to learning about quickly developing areas within digitalization, clean technologies and life sciences in India. Hopefully discover new opportunities for collaboration and inspiration, not least on sustainable development.

I can contribute with:

Being a good travel companion, curious and ready to share experiences. Besides knowledge about research and new developments at DTU, I have insight into research and development at several Danish institutions, as well as a global perspective on climate change and sustainability.

Meet the Delegation

- Lars Lammert Nielsen
- Founder and CEO
- NielsenNetwork



Background:

CEO Nielsen Network – advisor to several Danish CEOs and Mayors (from 2017 -)
 Member of several boards of directors: Foundation Copenhagen Food House, Danish Youth Symphony Orchester, Theatre Grob, The Foundation FO-byen.
 Director of Public Affairs, PrimeTime(2012-2017)
 Director of Public Affairs and Communications, Association of Danish Banks (2006-2012)
 Advisor to the Mayor of Copenhagen for Environmental Affairs (2006)
 Secretary General and Press Officer, The Social Liberal Party (1998-2006)
 Secretary General The Danish European Movement (1994-1998)
 Former Member of Board of Directors, Danish National TV and Radio (2009-2018)
 Former Member of Board of Directors, Tv2 in Copenhagen (1997-2006)

Expectations to the trip:

I am looking forward to experiencing the development and achievements in India in regard to science and engineering. In my years in the banking industry my interest in science and engineering grew due to the need for innovation in the banking industry, and of course due to the public focus about banks, loans and engineering.

I can contribute with:

I have a great interest in communicating our experiences to important stakeholders. It is important that Denmark understands to learn from the many enormous Indian experiences. I will therefore focus on the possibilities for a better understanding of our learnings from India.

Meet the Delegation

- Lars R. Enevoldsen
- Senior Vice President
- SW Technology, Kamstrup A/S



Background:

Lars R Enevoldsen has recently started in a position as head of SW technology in a leading international water and energy metering company after a 24 years' career in Grundfos, a leading global company in water and energy savings.

Lars also contributes with board work, e.g. as the vice chair for the Aalborg University and several high-tech start-ups and companies. Has 15+ years managerial experience in business development and R&D and has obtained a solid experience and a broad technical and business background.

Lars' current passion is digitalisation and how this can open new opportunities to support sustainable consumption of water and energy.

Expectations to the trip:

I am looking very much forward to learning from companies, universities and important opinion and decision makers in India and expect to learn how innovation in all sectors form a sustainable growth in India.

I can contribute with:

Deep insight in industry / university collaboration and the Danish research system.

Experience in SW development and partnerships in India.

Plenty of experience in technology foresight and what technology means to businesses.

Meet the Delegation

- Mads Søndergaard
- Executive Vice President
- NIRAS



Background:

Mads Søndergaard has been working as a consulting engineer for 30 years both in Denmark and abroad. During his career, he has always been curious about interfaces and opportunities of working across sectors and industries. Parallel to working as a consulting engineer, he has also had responsibilities as a part-time lecturer at various universities and as a board member at the Confederation of Danish Industry (DI) and the Association of Consulting Engineers (FRI) - among others. By using the interfaces and opportunities between universities and the private sector, we will be able to help Denmark develop into an even stronger region within Science & Engineering. Today, Mads is Executive Vice President in NIRAS, one of Scandinavia's leading consulting engineering companies with more than 2,500 employees working globally.

Expectations to the trip:

I have really huge expectations to this tour. A way to start developing yourself and ensuring progress of your industry, is to get inspiration from other industries and cultures. It seems that India has taken the agenda Sustainable Technologies and Growth – an agenda, in phrasing, the same as in Denmark. I am looking forward to learning more about this; how India is working with *green transition* – to understand their key-drivers and how they are implementing, bearing in mind that Denmark and India have two different starting points.

I can contribute with:

To ensure that the study tour will be successful, it is important to have a delegation with width and depth. And the experience from ATV's two previous study tours tells me that we have the required width and depth of competences in the delegation. I can contribute with my experience from working in the private sector and in a knowledge-based company (humans are our most important asset). By having an open mind, sharing ideas and being curious, we will be able to learn from each other and ensure progress. Not only between the delegates on the study tour, but also between the delegates and our hosts in India.

Meet the Delegation

- Maja Horst
- Professor
- Technical University of Denmark



Background:

Maja Horst is Professor of Responsible Technology at DTU. Maja has previously been head of Department of Media, Cognition and Communication at University of Copenhagen. Her research is focused on science communication, public understanding of science, social responsibility of science, management and organization of research. Her work is committed to support socially robust development of technology as well as a technology competent society.

Maja Horst has been experimenting with interactive science communication installations inviting citizens to discuss the social responsibility of emerging scientific fields, such as stem cell research and synthetic biology. For this, she was awarded the Danish Science Minister's Communication Prize in 2009. Since 2014, Maja Horst has been a member of the Danish Science and Innovation Policy Council, which advises the Danish minister and parliament. She is also chairing ATV's think tank 2018-2020.

Expectations to the trip:

I am looking forward to experiencing and beginning to understand the developments in Science and Engineering in India. I have never been to India and I am particularly interested in how the relationship between technology development and democracy plays out there, just as I am ready to be surprised about things I have not expected. I am also looking forward to sharing the experience with good colleagues from ATV. I am sure that the common digesting of input will lead to many stimulating discussions and dialogues.

I can contribute with:

I know quite a bit about research and innovation policy, just as I am very familiar with research organization and management. Much of my research and management practice has dealt with organizational and political culture. I have special expertise in asking questions and I enjoy learning new things with other people. Finally, I like to have fun and enjoy discussing things in a manner that is both serious and entertaining.

Meet the Delegation

- Michael Z. Hauschild
- Professor
- DTU, the Technical University of Denmark



Background:

Michael Hauschild is Professor, PhD and leader of the Quantitative Sustainability Assessment group at the Dep. of Technology, Management and Economics at the Technical University of Denmark. He leads a team of more than 25 researchers in development of methodology for quantitative assessment of environmental sustainability and application to different technologies including renewable energy technologies, biomaterials and chemicals, built environment, transportation and food production from agriculture and aquaculture. He is the (co)author of more than 200 peer-reviewed scientific journal articles and several books including the largest text book in the field of life cycle assessment, and he was recently awarded a lifetime achievement award by the global Society of Environmental Toxicology and Chemistry for his work on development and dissemination of life cycle assessment (LCA) and related approaches. He has a strong interest in the role that technology development and private and public enterprise must play in the achievement of a circular economy and a sustainable human civilization in accordance with the United Nations' World Goals for 2030.

Expectations to the trip:

To learn about

- how innovation is fostered in India and how synergies are created between university research and technology development
- how innovation ecosystems look in India (research, development, funding, markets, ...)
- how environmental impacts and environmental technologies, and the concepts of circular economy and sustainable development are perceived in the Indian technology development
- what we can expect from Indian innovation the coming years in addressing some of our greatest challenges in terms of climate change, resource competition and biosphere erosion in a world of growing population
- what we can learn from the Indian experience in developing Denmark to one of the leading science and engineering regions of the world in technologies for a sustainable world

I can contribute with:

Understanding of the role played by technology development, both in the increase of man-made environmental pressures and as a driver of a sustainable development, and of the role of India in both aspects.

Meet the Delegation

- Mogens Rysholt Poulsen
- Dean
- AAU, Aalborg University



Background:

Mogens Rysholt Poulsen became the Dean of the Faculty of Engineering and Science, AAU in 2017. From 2008 to 2016 he was the Head of Department of the Department of Micro- and Nanotechnology at DTU (Technical University of Denmark), 2010-2013 also Vice Dean for International Affairs at DTU. From 2004 through 2009 he held the position as Director of DTU Danchip.

Mogens Rysholt Poulsen obtained his M.Sc. in physics and mathematics from AU (Aarhus University, Denmark) in 1990 and a Ph.D. in natural science (physics) also from AU in 1994. He also holds an Executive MBA in Management of Technology from DTU (2005). During his studies at AU, he spent two years at University College London, England.

Mogens is a member of the Danish Academy of Technical Sciences (ATV), and the Danish Academy of Natural Science (DNA).

Expectations to the trip:

Dean Mogens Rysholt Poulsen looks forward to exploring the possibilities of establishing new partnerships and exchange agreements within the fields of science and engineering.

Meet the Delegation

- Rasmus Larsen
- Provost, Executive VP
- DTU, the Technical University of Denmark



Background:

Rasmus Larsen is the provost and an executive vice president at the Technical University of Denmark (DTU). DTU is an elite engineering school with 6,000 staff and 12,000 students. In the executive committee his responsibility includes university centers; dept. and center action plans; budgets and annual reporting; and research based advice to Danish ministries for transport, energy, environment, food, fisheries, and foreign affairs. He is a member of the governing board in the Eurotech Universities Alliance – a strategic partnership of six leading European universities of science & technology: DTU, TU München, TU Eindhoven, École Polytechnique Fédérale de Lausanne, Technion & École Polytechnique. Prior to his current position Rasmus Larsen was head of dept. for Applied Mathematics and Computer Science and a professor in image analysis. His research group included 50 researchers and has spun off more than 20 companies in the past 20 years.

Expectations to the trip:

Rasmus Larsen is looking forward to the ATV S&E study trip to India. In particular, he is keen to learn about the rapid development of digitalization and AI in India; efforts towards meeting the UN Sustainability Goals; and to witness the largest democracy in the world first hand with all the challenges and technology required to service the population and the society. He is curious about how university-industry interaction is organized and develops, and would like to learn about local models for innovation ecosystems.

I can contribute with:

Rasmus Larsen brings to the trip his experience in university leadership and international university alliances; university research leadership and talent development; and development of engineering education. His original field of research has given him an insight in a wide range of business sectors including health care, food and farming, process and product industry.

Meet the Delegation

- Stephen Alstrup
- Professor, CEO
- KU, the University of Copenhagen



Background:

Founder and CEO of one of the most successful IT-companies in Denmark acquired by Akamai. Professor at University of Copenhagen in algorithms. Part of leader team at basic research algorithm center (BARC). Leading the algorithm part of the largest Danish research center in Big Data. Co-founder of SupWiz – one of the strongest AI in Europe. Research results were selected to Highlights of Algorithms in 2016 (top 20 algorithm results), other results published in JACM (top 50 theoretical computer science results). Co-founder of IT-University of Copenhagen.

Expectations to the trip: How can SMEs from abroad make business in India?

- Compared to Europe: What is the status in India with relation to science and engineering for education, research and companies.
- Establishing relevant contacts and networking.
- Inspiration.

I can contribute with:

My mixed knowledge as both IT-professor and CEO.

Meet the Delegation

- Søren Hvidkjær
- Dean of Research
- CBS, Copenhagen Business School



Background:

Søren Hvidkjær is the Dean of Research at Copenhagen Business School. As the Dean of Research, he is part of senior management and has the organisational and strategic responsibility for CBS' research and academic staff. Søren Hvidkjær holds a PhD in finance from Cornell University, and taught at the University of Maryland and INSEAD before joining CBS as professor of finance in 2008. He was Head of the Department of Finance in 2012-17.

Expectations to the trip:

Sustainable development is a particularly pertinent theme for this trip given the size and growth rate of the Indian economy. I hope to get a deeper insight into the specific challenges faced by India, an understanding of the potential solutions and their generalizability as well as perspectives for Denmark. More generally, India is a dynamic economy with tremendous opportunities about which I hope to learn.

I can contribute with:

A business school and social science perspective.

Meet the Delegation

- Søren Kamaric Riis
- CTO
- Oticon Medical



Background:

MScEE, PhD, Chief Technology Officer, Oticon Medical, on active implantable hearing devices. Responsible for long term roadmaps and Research & Technology development in Oticon Medical and coordination to other research units in the Demant group. Chairman of the ATV health technology group and board member of TrialNation promoting Denmark as a first choice for hosting clinical studies across pharma and med-tech. 20+ years of experience in industry/academic/clinical collaborations for medical devices. Facilitator and initiator of several industry/academic networks and international research collaborations. Solid experience on multiculture and multisite research and development teams.

Expectations to the trip:

I hope to learn how India is transforming from a remote "outsourcing" office for EU and US companies to a strong Science & Engineering hub delivering innovations to the world and welfare in India. Also curious on how India is taking in new disruptive technologies like Artificial Intelligence and on how the ecosystem is set up for collaboration across academia, public system and industry – both large enterprises and small startups. Furthermore, I seek insights into how educational programmes are aligned to industrial and regional needs in India, what India can do on S&E that other S&E hubs (Boston, Bay area, Shanghai,..) cannot, and how innovation in the health care sector is enabled in a setting where health care systems are challenged on economy and available resources. Finally, I hope to get a view on what the S&E strongholds are for India.

I can contribute with:

Experience on outsourcing of SW projects to India and building setups integrating teams in Europe and India for outsourcing "that works". Large experience on international industry, public, academic collaborations.

Meet the Delegation

- Thomas Bjørnholm
- Executive Chief Scientific Officer
- VILLUM FONDEN



Background:

Thomas Bjørnholm is Executive Chief Scientific Officer at VILLUM FONDEN. He is responsible for the foundation's research programmes within the technical and natural sciences with the aim of fostering excellent research at Danish universities and research institutions.

Previously he was prorector for research and innovation and deputy rector at the University of Copenhagen with overall responsibility for research and innovation across all disciplines at the university.

He is a professor of Materials Chemistry and founding director of the Nano-Science Center at the Faculty of Natural Sciences at the University of Copenhagen.

He is a member of the Royal Danish Society of Sciences and Letters, the Danish Academy of Technical Sciences and the Danish Academy of Natural Sciences.

My expectations to the trip:

I expect to get an insight to the Indian approach to the innovation ecosystem. India is very different from Denmark and the US, and it will be interesting to see how India deals with the challenges we all share and how India benefits and elevates their effort in light of the very high growth in India.

Meet the Delegation

- Ulla Röttger
- Non-executive board member, former CEO
- Several companies



Background:

Ulla Röttger has 30 years' experience in top management and leadership at board level for companies within energy production and distribution, waste management, climate and environment, advanced technology and advisory services in reducing energy consumption. She has had several positions at public bodies, boards and committees in public loan to industry, R&D funding, R&D projects between industry and universities, technology assessment, green transition of industrial production and aid to developing countries. She was responsible for establishing Amager Bakke at USD 600 million, an innovative, iconic and world famous building that can contribute to livability in Copenhagen – not only as the world's most energy and environmentally efficient waste-to-energy plant, but also a ski slope, a hiking trail, a climbing wall and with a café on the roof.

Expectation to the trip:

I am looking forward to obtaining an actual and up-to date overview of the technological development in this region, and to having a lot of inspiration from meeting companies, universities and decision makers.

How do they look at the future development of their country? And how do they cope with their challenges?

I can contribute with:

Knowledge about waste management and handling, energy production and transmission, climate and environment and public supply and being an active discussion partner.

The Danish Academy of Technical Sciences (ATV.dk)

The Danish Academy of Technical Sciences (ATV) is an independent, member-driven think tank.

The Academy was founded in 1937 and had then as now a positive view on technology: The scope of technology development is the red thread in ATV's activities, and the Academy especially seeks to try for the practice-oriented issues in which the use of technological research and innovation is essential.

ATV regards new technologies to be at the very core of the development of society. Technology development is the most important driver to create wealth and welfare.

ATV strives to make Denmark one of the five leading Science and Engineering regions in the world – to the benefit of future generations.

To achieve this objective, ATV is undertaking many activities to the advantage of businesses, knowledge institutions and society as a whole. The activities must be value creating and ATV's projects must lead to concrete, measurable results.

ATV itself does not do any scientific research but creates the framework for others. The Academy's network of members is quite unique: The 750 members are research directors, business executives, leading researchers and experts within the fields of technology, technology management and related topics. The very foundation of the Academy is credibility, achieved from the independence of the organization and the strong professional competences of the members.

Half of the members work in private businesses, the other half work at universities and other knowledge institutions. ATV provides the meeting place for both worlds.

The Academy works on a non-profit basis and, as a private organization, it does not receive any direct public funding. The activities are performed on the basis of the voluntary work from our members.

ATV is a member of CAETS – International Council of Academies of Engineering and Technological Sciences alongside Indian National Academy of Engineering (INAE).



View of "The Black Diamond", the Royal Danish Library