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Together with NHH, and with expertise from DNV, we have curated a course designed for those who are passionate about sustainability. #CLEANTECH is a topic on the forefront of all our minds as we head into the future and no business, organisation or person can afford to ignore the growing climate issue our world faces. Therefore we have gathered those pioneering DNV's sustainable strategy to reveal the secrets of their battle plan for sustainable growth, culture and success.



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CLEANTECH
KENNETH VAREIDE AND
LUCA CRISCIOTTI
CEO DIGITAL SOLUTIONS
AND CEO SUPPLY
CHAINS AND PRODUCT
ASSURANCE
DNV

Podcasts made in collaboration with:



DNV-GL

Listen to the podcast:



The Future of Digital Assurance

In this episode of #LORN Silviya talks to Kenneth Vareide, the CEO of digital solutions and Luca Crisciotti, CEO of supply chain and product assurance at DNV, about the challenges they face in innovating clean solutions for the future. They also touch upon why DNV's strategy may become the sexy business model of the future, and how digital assurance relates to sustainability and the benefits of Norwegian business culture. It also details why, if we are always keeping the next generation in mind, it is essential for us to have data we can trust.

About the company

They are an independent expert in assurance and risk management. Driven by their purpose, to safeguard life, property and the environment, they empower their customers and their stakeholders with facts and reliable insights so that critical decisions can be made with confidence.

Reflection

How important do you think solid methods to verify, control and process data will be for sustainability and future development and why are they necessary according to Kenneth Vareide and Luca Crisciotti?

Topic

Perspective



Topic: **CLEANTECH**
Guest: **Kenneth and Luca**
Language: **ENGLISH**
Perspective: **ENTERPRISE**
Recorded: **INTERNATIONAL, OSLO**
Host: **Silviya Seres**

You will LØRN about:

- Traceability
- Digital twins
- Floating wind farms
- Future of transactions

Recommended reading:

- Token Economy by Shermin Voshmgir
- The biography of Steve Jobs



“ We will never take humans out of the loop, it is in the interaction between people, technology and business where the magic happens
- Kenneth Vareide and Luca Crisciotti



Interview

What is your education, and do you have any hobbies?

Luca: I have M.Sc Naval architect from NTNU – 1996, a Master in Technology Management from NTNU and NHH, in cooperation with MIT Sloan – 2006. My hobbies include cooking (the dream is to open a restaurant!), tennis/padel, diving/snorkeling/fishing, and photography.

Kenneth: Food and drinks, create and make it yourself. In particular bread making and beer brewing!

What is your professional dream?

Luca: My dream is to be impactful, fair and inclusive (and to have fun too)!

Kenneth: We are a purpose driven company (“safeguard life, property and the environment”), and to see that our vision (“a trusted voice to tackle global transformations”) comes through feels very meaningful to me, particularly as we are entering a decade of transformation(s). Can I be part of somethings that makes a lasting difference?

What is your project at work, and why it is important?

Luca: My project is to shape the future of assurance, to build trust in products, assets and transactions.

Kenneth: I used to say that technology is all about people. As far as I’m concerned, we will never take the humans out of the loop, it is in the interaction between people/technology/business where the magic is happening and what makes this all come to live through value creation is leadership.

What are the interesting dilemmas?

Luca: How to energize your core people/business while building disruptive products and services.

Kenneth: Growth vs. profitability – what is “value creation” and how to measure it through the stages.

How does it relate to digitalization, in simplest terms?

Luca: Transactions and the new business models linked to that.

Kenneth: New ways of generating, distributing, and capturing value by for example a new business model.

How does it relate to sustainability, in simplest terms?

Luca: TTT (telling the truth) and ESG (Environmental Social Governance).

Kenneth: It’s all about our children.

What are your views on skills for the future?

Luca: Cognitive flexibility, emotional and social intelligence, and problem solving.

Kenneth: Creativity and curiosity, the urge to do lifelong learning because it’s more a mindset, than skills. Teamwork and collaboration in order to solve complex problems.



COURSE QUESTIONS

Why, according to Kenneth, are there a lack of bicycles in Norway?

- a) Due to the complications caused in supply chain by the ship stuck in the Suez Canal.
- b) Bike manufacturers have started producing electric scooters to increase their profits

What does Luca name as a major benefit to Norwegian business culture?

- a) Everyone speaks English so international cooperation is easier.
- b) Everyone can be heard and is allowed to share their ideas because of the flat business culture

What do DNV believe is the main benefit of Veracity?

- a) The data platform generates extra value for providers and customers
- b) The data platform allows DNV to easily control worldwide operations.

RIGHT ANSWER

Due to the complications caused in supply chain by the ship stuck in the Suez Canal.

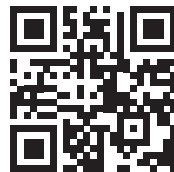
Everyone can be heard and is allowed to share their ideas because of the flat business culture

The data platform generates extra value for providers and customers

Podcast #0998



**CLEANTECH
KENNETH VAREIDE AND
LUCA CRISCIOTTI**
CEO DIGITAL
SOLUTIONS AND CEO
SUPPLY CHAINS AND
PRODUCT ASSURANCE
DNV



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CLEANTECH
SVERRE ALVIK
DIRECTOR ENERGY
TRANSITION OUTLOOK
DNV

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Listen to the podcast:



Growth, Energy and Transition

In this #LØRN podcast Silviya talks to the director of Energy Transition Outlook at DNV, Sverre Alvik. Alvik explains how DNV works with efficient climate strategy and how the Energy Transition is creating new business opportunities and business models. They talk about the energy transaction outlook forecast (ETO), what it means, where the project comes from and why the most obvious solutions are also the hardest.

About the company

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Reflection

What do you believe we can put in our tool box to go from a regulation pessimist and become a regulation optimist?

Topic

Perspective



Topic: **CLEANTECH**

Guest: **Sverre Alvik**

Language: **ENGLISH**

Perspective: **ENTERPRISE**

Recorded: **OSLO**

Host: **Silviya Seres**

You will LØRN about:

- Where the money in sustainability is
- DNVs company history
- Decarbonization
- The Energy transaction outlook forecast

Recommended reading:

- Rapporten fra Sverre:Encyclopedia Si, from the Vatican, daring to question growth as a goal



“ *Digitalization is a means, not a goal. In my context it is one important element in preventing global climate change*
- Sverre Alvik



Interview

What is your professional dream?

To be recognized as a person that advances the global energy transition and contributes to something amazingly important.

What is your project at work, and why it is important?

Responsible for DNV's Energy Transition research and publications, important for both the future of our planet and humanity, our customers, and DNV's own strategy.

Why is it challenging, and how do you build the culture around this work?

It's extremely hard to forecast what will happen in the future. One thing is the technologies, where we have some degree of overview. Much more challenging is the policies and human behavior, assessing how they will develop. We research all these areas.

Are there any interesting dilemmas?

The tragedy of the commons, makes individual behavioral change so extremely hard for climate change.

How does its relation to sustainability, in simplest terms?

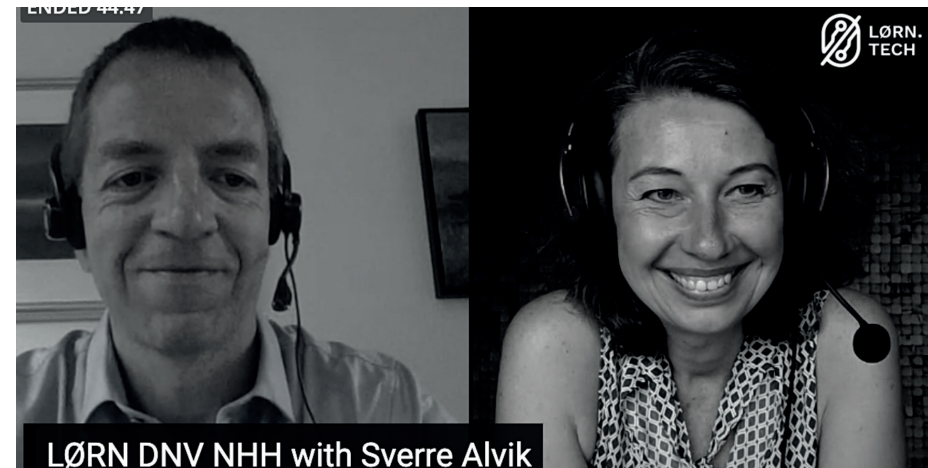
All-encompassing, and contradictory for achieving both human sustainability and well-being in a modern world for 9bn people and still preserving the planet.

What are your views on skills for the future?

Digital, but also human understanding, as well as communication.

Do you have a favorite quote?

There is no planet B.



COURSE QUESTIONS

What are two important reasons to why DNV create the ETO forecast according to Sverre?

- a) To get a structured forecast on the energy market and to get a more coherent outlook on the energy sector for their employees
- b) To decide whether to invest in oil and reduce manpower

Who contribute to the ETO forecast?

- a) Solely the top universities around the world
- b) Involves more than 100 employees from around the company as well as external expertise

What does net zero emissions mean?

- a) You don't pollute at all.
- b) Net zero doesn't mean gross zero, but you have to have some negative emission to mitigate the damage of the emissions.

RIGHT ANSWER

To get a structured forecast on the energy market and to get a more coherent outlook on the energy sector for their employees

Involves more than 100 employees from around the company as well as external expertise

Net zero doesn't mean gross zero, but you have to have some negative emission to mitigate the damage of the emissions.

Podcast #0999

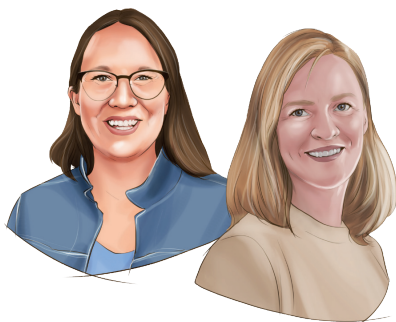


**CLEANTECH
SVERRE ALVIK**
DIRECTOR ENERGY
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ELLEN SKARSGÅRD AND
LIN HAMMER**
SUSTAINABILITY
MANAGER AND HEAD
OF SUSTAINABILITY
DEVELOPMENT AND
CLIMATE
DNV

Podcasts made in collaboration with:



DNV·GL

Listen to the podcast:



A Strategy for Sustainability

In this episode of #LØRN Silviya talks to Lin Hammer (sustainability manager) and Ellen Skarsgård (head of sustainability development and climate) from DNV to discover exactly how DNV are utilizing sustainable strategy and sustainable reporting in order to increase their viability in future years. They specifically discuss how taking sustainable strategy and reporting seriously may involve questioning the company's identity and lead to a shift in how a company will operate. This shift may be inspired by questioning both how and if a company may be successful in the future, and the culture change may come from the very top through ambitious goal setting and the goals being clearly measurable.

About the company

They are an independent expert in assurance and risk management. Driven by their purpose, to safeguard life, property and the environment, they empower their customers and their stakeholders with facts and reliable insights so that critical decisions can be made with confidence.

Reflection

What roles do the different actors inside a company play in terms of creating a cultural shift, in order to safeguard the future success of the company and the wellbeing of our environment?

Topic

Perspective



Topic: **CLEANTECH**
Guest: **Ellen and Lin**
Language: **ENGLISH**
Perspective: **ENTERPRISE**
Recorded: **OSLO**
Host: **Silviya Seres**

You will LØRN about:

- How DNV aligns its services with customers
- Employee branding issues
- Cultural change in a business
- The concepts behind Instatrust

Recommended reading:

- To Kill a Mockingbird, DNV's Energy Transition Outlook and Crime fiction



“ *The sense of urgency when it comes to sustainability has picked up. In particular, what this means for how companies, societies and individual behaviour must not only adapt, but transform*
- Ellen Skarsgård and Lin Hammer



Interview

What is your education and do you have any hobbies?

Lin: Production manager for film & television. Hobbies: Gardening, bicycling, hikes, kayaking, swimming, reading & knitting.

Ellen: BSc Government & Foreign policies, University of Wales and Six Sigma Black Belt project management. My hobbies include running and sailing. I teach kids to sail in a local sailing club.

What is your professional dream?

Lin: Contributing to others development

Ellen: I have just started my new role; it is certainly part of my professional dream!

What is your project at work, and why is it important?

Lin: ESG/Sustainability – because it is vital to secure a sustainable future for nature and future generations.

Ellen: The sense of urgency when it comes to sustainability has picked up. In particular, what this means for how companies, societies and

individual behaviour must not only adapt, but transform.

Sustainability is an integral part of the new strategy and we are working both to get our house in order, and to help customers do the same. Our goals to reduce our carbon footprint by 50%, switch to 100% renewable electricity and become climate positive will get our house in order. The far greater impact is how we advise customers to decarbonize, improve ESG and make an impact on the sustainable development goals.

Why is it challenging, and how do you build the culture around this work?

Lin: Because it requires change. Leading by example, motivating through connecting with relevance for the person I talk to.

Ellen: We have extremely passionate and motivated employees at DNV that care about delivering on our purpose and are excited about the new strategy. Our vision directs us to be a trusted voice to tackle global transformations. To take this role we need services that help our customers to tackle the energy transition, decarbonization, digital transformation. And to be a trusted

voice, we need to make sure that we have our own house in order. That we are living what we are preaching.

Any interesting dilemmas?

Lin: (1) Profitability vs save the planet and (2) that we can contribute more than we think.

Ellen: Our goal to switch to 100% renewable electricity is an ambitious, hairy goal, which we don't yet have the answer to. We have 276 offices and labs in regions and countries where there is currently little renewable electricity. This is a challenge that many of our big customers and brands are trying to achieve which as well gives us the opportunity to use our own in-house expertise;

Energy systems, Instatrust; when exploring our options. We need to look at what does green really mean? How can we ensure that in switching, we are making a long-term change?



COURSE QUESTIONS

How do we build in more effective long-term planning into a company?

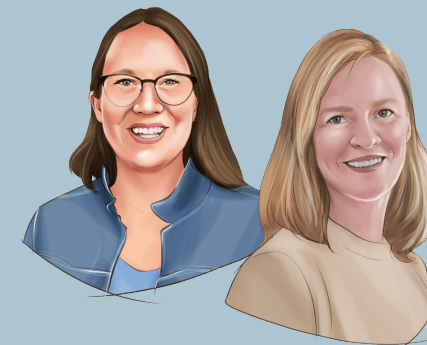
- a) Set goals to be checked and reviewed on a biweekly basis
- b) Look forward to the future when creating a strategy and build goals related to sustainability into management system.

Are punishments or incentives more effective when trying to create proper results?

- a) Only use incentives as punishments prevent innovation
- b) a mixture of both in order to keep employees motivated

What is an example of a goal DNV has set in order to reduce energy usage long term and be sustainable?

- a) 100% renewable energy powering their offices and labs across the world.
- b) Switch to 50% renewable energy by the end of this year



**CLEANTECH
ELLEN SKARSGÅRD
AND LIN HAMMER**
SUSTAINABILITY
MANAGER AND HEAD
OF SUSTAINABILITY
DEVELOPMENT AND
CLIMATE
DNV



RIGHT ANSWER

Look forward to the future when creating a strategy and build goals related to sustainability into management system.

a mixture of both in order to keep employees motivated

100% renewable energy powering their offices and labs across the world.



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<https://www.dnv.com/>



CLEANTECH
KJETIL EBBESBERG
CFO
DNV

Podcasts made in collaboration with:



Listen to the podcast:



Serve Your Purpose

In this episode of #LØRN Silviija talks to the group CFO in DNV, Kjetil Ebbesberg. Ebbesberg teaches us about the mentality behind how finance experts will meet the challenges we will be facing in the current business environment as well as in the future. They discuss what the financial institutions are expecting from markets and individual businesses and how sustainability and Environmental Social Governance (ESG) is a priority for any ambitious and forward-thinking CFO.

About the company

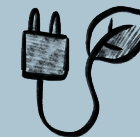
They are an independent expert in assurance and risk management. Driven by their purpose, to safeguard life, property and the environment, they empower their customers and their stakeholders with facts and reliable insights so that critical decisions can be made with confidence.

Reflection

How can a CFO find the right balance between short term gain and sustainable long-term progress?

Topic

Perspective



Topic: **CLEANTECH**
Guest: **Kjetil Ebbesberg**
Language: **ENGLISH**
Perspective: **ENTERPRISE**
Recorded: **OSLO**
Host: **Silviija Seres**

You will LØRN about:

- The importance of serving the company purpose
- Planning for the long term
- Understanding how to scale
- “Productifying” a service
- Transition from physical to digital

Recommended reading:

- Born to Run by Bruce Springsteen and The Ride of a Lifetime by Robert Iger



“As a CFO you need to understand as well as prepare for the long term
- Kjetil Ebbesberg



Interview

Your professional dream:

To be significant where I am at – in what I do.

Your project at work, and why it is important?

Live the Purpose (Safeguard Life, Property and Environment) and the Values of DNV (We Care, Dare and Share). Deliver on our Vision to Help our customers tackle global transformations. Support DNV in profitably growing our business 50% over the next few years, being the leading digital assurance provider within Maritime and low carbon Energy while building leading positions in ESG, Digital Health and Cyber Security. Ensure that the Finance & Legal organization throughout DNV understands how to best enable this.

Why is it challenging, and how do you build the culture around this work?

This is challenging because it is 1) an ambitious strategy, 2) in fast changing world, 3) with a company present in 100 countries with different cultures and ways of doing the business.

We build a thorough understanding of what our strategy is, why it is like it is and what individuals and teams can and need to do to deliver on it. It all comes down to each of us understanding the implications for ourselves and our teams – and the enthusiasm we can build to pursue it.

Any interesting dilemmas:

We are helping customers transition their businesses by way of using new, advanced technologies. Introduction of new technologies will leave old ways obsolete – at faster and faster speeds. There will always be people and businesses suffering from such fast transitions, which needs to be catered for (by society).

Relation to digitalization, in simplest terms:

More digitalization is at the core of DNV and our strategy. That is probably what we work with the most. All the way from which services we will offer in the future, how we will deliver them to the customers to how we are organizing our internal processes.

Relation to sustainability, in simplest terms:

Our Purpose has been the same since the beginning in 1864. We are on this planet to Safeguard Life, Property and Environment. And we do that on a global scale – being present in 100 countries. That means our purpose of existing is to ensure a Sustainable world.

Your view on skills for the future:

Adaptability and openness is probably the most fundamental skill needed. The world, businesses, everyday tasks are changing fast and you need to be at pace with this to succeed. The world is becoming smaller and we all need to relate to changes in our societies and our businesses from that. Digital skills is another

one which will be more and more important – not necessarily on a technical level but on a conceptual and user level.



COURSE QUESTIONS

What is an important way to serve the bottom line in a company?

- a) Always make sure that the activities the company prioritize have a net positive cash flow
- b) Serve the purpose

Approximately how many countries are DNV based in?

- a) About 100 countries
- b) DNV is mostly represented in Norway, but has also offices in Scandinavia as well as England.

What has been a huge factor for further development in innovation and digitalization as well as helping us collaborate more efficiently in a global scale?

- a) The covid-19 pandemic
- b) GDPR which sets rules that everyone has to follow also cross borders

RIGHT ANSWER

Serve the purpose

About 100 countries

The covid-19 pandemic

Podcast #1001



CLEANTECH
KJETIL EBBESBERG
CFO
DNV



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<https://www.dnv.com/>



CLEANTECH
LIV ASTRI HOVEM
CEO
DNV ACCELERATOR

Podcasts made in collaboration with:



Listen to the podcast:



Assurance in Digitalization

In this episode of #LØRN, Silvija chats with Liv Astri Hovem, the CEO of DNV Accelerator, about the shifting supply chain, the reduction of waste in the energy transformation and explains the challenges of going from oil and gas, to renewable energy in a world which is becoming more and more digitalized. She also touches on what this means in reality for all of us, like in the healthcare sector, where she explains the value of having a system in place to guarantee that the quality of service remains high, before, during and after the digitalization process.

About the company

DNV are the independent expert in assurance and risk management. Driven by their purpose, to safeguard life, property and the environment, they empower their customers and their stakeholders with facts and reliable insights so that critical decisions can be made with confidence. As a trusted voice for many of the world's most successful organizations, they use their knowledge to advance safety and performance, set industry benchmarks, and inspire and invent solutions to tackle global transformations.

Reflection

What factors need to be taken into consideration in relation to the digital transformation and assurance, and why is it so important to maintain high standards throughout the process?

Topic

Perspective



Topic: **CLEANTECH**
Guest: **Liv Astri Hovem**
Language: **ENGLISH**
Perspective: **ENTERPRISE**
Recorded: **OSLO**
Host: **Silvija Seres**

You will LØRN about:

- You will learn
- Digital infrastructure
- Quality assurance
- SysTopic thinking
- Sustainability.

Recommended reading:

- <https://www.dnv.com>



“We need assurance
during this transformation
- Liv Astri Hovem



Interview

What is your Education?

I have a MSC Structural Engineering from NTNU and a MSC Naval Architecture and Offshore Engineering from UC at Berkeley.

Do you have any hobbies?

Hobbies, family, friends Skiing, Sports, outdoors, gardening, literature and arts.

What is your professional dream?

To be useful and contribute to solving the big problems, and create a working environment where others also can be themselves and contribute.

What is your project at work, and why it is important?

Digital health: we need assurance during this big transformation.

Why is it challenging, and how do you build the culture around this work?

My sector is a complex sector due to legacy, risks, regulations, country specific requirements, and build culture that is curious, collaborative, believe in technology and purpose driven.

Any interesting dilemmas?

There are interesting dilemmas around need for international collaboration vs national focus to win elections.

What is your relation to digitalization, in simplest terms?

To demonstrate the practical advantage to for the end users.

What is your relation to sustainability, in simplest terms?

Energy operators should aim at providing low carbon energy at lowest possible cost and believe technology will deliver.

Any finally, what is your view on skills for the future:

An essential skill will be understanding how to deal with people.



COURSE QUESTIONS

What does Silvija think people could do the progress and grow personally in a diverse manner?

- a) Zig zag across different career paths
- b) One career path

What is one of the benefits of digitalization in the oil industry Liv mentions during the podcast?

- a) We can do mechanical checks digitally and safely
- b) Easier to discover new oil

How has natural gas become more economical and easier to transport?

- a) It can be liquified so can be transported like oil
- b) an increase in total gas pipes across the world

Podcast #1006



**CLEANTECH
LIV ASTRI HOVEM**
CEO
DNV ACCELERATOR

RIGHT ANSWER

Zig zag across different career paths

We can do mechanical checks digitally and safely

It can be liquified so can be transported like oil



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**CLEANTECH
RUNE TORHAUG AND
KLAS BENDRIK**

DIRECTOR OF EU AFFAIRS
AND CHIEF DIGITAL &
DEVELOPMENT OFFICER
DNV

Podcasts made in collaboration with:



Listen to the podcast:



Drive the Change

In this episode of #LORN Silvija talks to Klas Bendrik, the chief digital & development officer at DNV, and Rune Torhaug, their director of EU affairs, about the principles and strategy behind DNVs future operations in relation to resilience and sustainability. We discover the difference between the two segments of digitalization; business optimization today and how it will impact the company's business models of the future. In addition, we get an important glimpse into how the importance of challenging the status quo, presenting new ideas internally and why being passionate about driving change may hold the key to long-term value creation.

About the company

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Reflection

What is actually meant by 'driving change' in the context of digitalization, and why is it an important mentality to have according to Silvija and the guests?

Topic

Perspective



Topic:	CLEANTECH
Guest:	Rune and Klas
Language:	ENGLISH
Perspective:	ENTERPRISE
Recorded:	OSLO
Host:	Silvija Seres

You will LØRN about:

- Internal Productivity
- Business optimization
- Challenging core identity
- Importance of cross border interaction

Recommended reading:

- A Random walk down Wall Street by Burton Malkiel, Mission Economy by Mariana Mazzucato and Grand Transitions by Vaclav Smil and the podcast Dare to Lead by Brene Brown.



“ *The biggest mistake of all is to do exactly right what should not have been done at all*
- Rune Torhaug and Klas Bendrik



Interview

What is your education, and do you have any hobbies?

Klas: Swedish Navy, Naval Academy, Lieutenant Captain. University of Gothenburg, BSc Business Administration, specialization managerial economics.

Rune: Education: MSc in Civil Engineering NTNU Norway, Ph.D Civil Engineering Stanford University, CA, USA. My hobbies include skiing in the winter, hiking in the summer, and reading all year around.

What is your professional dream?

Klas: When I was a teenager, I dreamt of becoming a lawyer.

Rune: to contribute to a safer and more resource effective world.

What is your project at work, and why it is important?

Klas: My mission/project is to drive change and new opportunities, to be ready for the future, but not at such a pace it becomes unrealistic for the organization.

Rune: The upcoming digital EU regulations related to artificial

intelligence and data flows will become important in the years to come and will in turn open new opportunities for DNV, hence we follow this work closely.

Why is it challenging, and how do you build the culture around this work?

Klas: To be bold enough but not becoming a geek, and at the same time encourage all the young talent to see the development we do in order to not perceive things as being too slow. Storytelling and external input are vital elements for the culture around this.

Rune: Assurance of digital assets is an immature field; we are trying to build an understanding that assurance of algorithms will be as important as assurance of physical assets during this decade.

Any interesting dilemmas:

Klas: How to make profitable, successful organizations to lead the transformations within their respective industries.

Rune: The long-term gains will most likely be large, while the short-term opportunities are more difficult to get paid for.

What is your relation to digitalization, in simplest terms?

Klas: What would we have done during this pandemic, without it....??

Rune: These pieces of regulation will most likely drive the need for assurance of algorithms globally.

What is your relation to sustainability, in simplest terms?

Klas: Extremely important for the future of the world, but we need to be prepared to invest in it! (From a personal and professional perspective).

Rune: To avoid accidents and errors before they materialize is a contribution to both effective use of resources as well as safety

What is your view on skills for the future?

Klas: The ability to adapt, learn and de-learn.

Rune: In addition to specific skills, the ability to put things in context and connect the dots to a bigger picture will be important.



COURSE QUESTIONS

Why is Europe and understanding the EU technology regulations so important for DNV?

- a) Because they want to enter the European market.
- b) Because it stands for 60% of its business.

What is growing faster according to DNV's research?

- a) population
- b) energy needs

How long did DNV decide was appropriate to have a strategy for sustainability and how often will the review their progress?

- a) 10 years and reviewed every 6 months
- b) 5 years and reviewed yearly

RIGHT ANSWER

Because it stands for 60% of its business.

population

5 years and reviewed yearly

Podcast #1007



**CLEANTECH
RUNE TORHAUG AND
KLAS BENDRIK**
DIRECTOR OF
EU AFFAIRS AND
CHIEF DIGITAL &
DEVELOPMENT OFFICER
DNV



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Lørn manifesto

No one should waste time and money on skills that will soon be useless. We need to learn relevant things for the future we are going into. An advertisement asks: do you think it is about mindset or skillset? The answer is: BOTH! Mindset without skillset is useless; the separation without the mindset is directionless.

Skills for the future will be a combination of technological knowledge and the courage to think for yourself. We must dare to think something about what this future should be like, in order to be able to make active choices. It is too easy to say that "we only teach kids to code". Everyone has to learn and we have to learn more than coding. We need to teach kids and everyone else, DIGITAL CREATION. We must become something more than good consumers of new technology - we must be able to recreate it. And we adults must not tolerate so easily the learning that does not apply to ourselves.

But what are the necessary skills for the future?

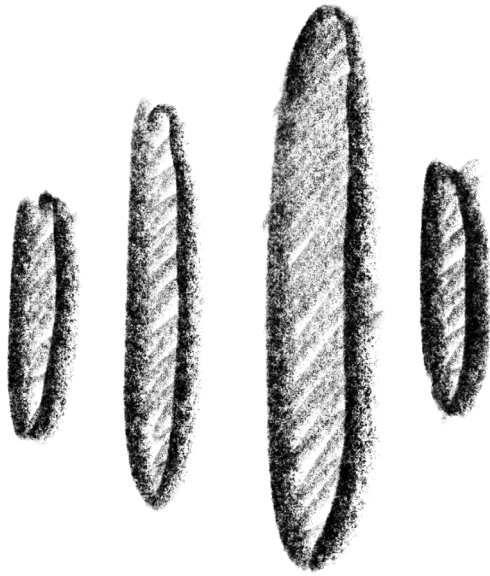
Direct competition against robots is a losing battle for humans. Robots, automation and AI are all about what the machines are very good at. It is to be able to read and find patterns in large amounts of data, but to interpret these patterns correctly, a way that is also culturally and politically rooted, which reflects the extremely complex human psyche, only people can and should do. Better and cheaper robots will be able to perform most of our routine tasks that require little or no creativity. On the other hand, tasks that require flexible action in unpredictable environments, and that require empathy, people will always be better at. AI is well suited for administrative and routine tasks. People are invincible in the tasks that require care and consideration. Either way, it will be exciting and require a lot of new knowledge.

Claude Shannon, the father of Information Theory, said: "We know the past but cannot control it. We control the future but cannot know it ».

Join and explore the future, so that together we can drive it in a good direction.

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