

Power-to-X

Practice area under Energy and Infrastructure

Plesner is a market-leading legal advisor in the area of Power-to-X (PtX) and advises both Danish and international businesses and operators in this area.

What is PtX?

PtX is a blanket term for technologies that are based on using green technology to produce green hydrogen which can be used directly as a fuel or converted into other fuels, chemicals and materials.

PtX is a generic term. The X symbolises the different end products: green gasses, electro fuels, liquid electricity, power-to-gas. These concepts all cover liquid or gaseous fuels containing hydrogen produced through electrolysis with green power — usually from wind farms or solar cells.

PtX will be an important factor in achieving the Danish government's 70% target in 2030, but in particular in terms of achieving the long-term climate-neutrality target by 2045, where PtX fuels may be used to convert parts of the transport sector, in particular within aviation, shipping, heavy transport, agriculture, industry etc.

Get specialist advice from Plesner

Plesner's PtX team consists of specialists who have many years of deep experience of the energy sector, including supply, construction, infrastructure, civil engineering projects, environment and planning, EU law and State aid law as well as complex transactions and green energy contracts.

At the moment Plesner is assisting in connection with Europe's largest PtX-plant and advises on all legal, commercial, operational and strategic aspects of PtX.

Our advice includes:

- PtX-projects in general, including project development, financing, commercial structures, ownership contracts, environmental regulation and land expansion;
- complex contracts and transactions;
- interpretation and use of PtX regulation including the Renewable Energy Directive (Directive (EU) 2018/2001 (REDII));
- EU and state aid issues and tariffs;
- environment and planning;
- EU certification system for CO₂;
- [the Danish state's call for tenders for PtX](#);
- political agreements and approvals and licenses for PtX plants.

Our specialists are always available if you have any questions or need feedback on your PtX-project.

Case News 18.02.2026

Infranode to build the Nordics' most powerful co-located battery in Denmark

Case News 16.01.2026

Advancing CCS in the North Sea: Inez CO₂ storage licence awarded by the DEA

Case News 07.11.2025

DBC Invest enhances its position by acquiring the remaining shares of Grauballegaard Biogas ApS

Case News 23.10.2025

DBC Invest enhances its position by acquiring Dalgas A/S' substrate division

Case News 03.10.2025

Plesner advises SCHWENK Zement in first Danish CCS farm-in on Bifrost

Case News 02.10.2025

HCS has sold Hashøj Biogas to Shell Biogas

Case News 01.07.2025

DBC Invest strengthens biogas capabilities with acquisition of Nordic Green Engineering

Case News 25.06.2025

NK-Forsyning to divest NKE-Elnet

Case News 05.05.2025

Plesner involved in Europe's first full-scale CCS facility

Case News 01.04.2025

RWE sells 49% of the largest offshore wind farm in Denmark - Thor Wind Farm

Case News 19.03.2025

Faerch signs long-term Power Purchase Agreement with Eurowind Energy in Poland

Case News 18.03.2025

Alight acquires Lidsø solar park

Ratings

CHAMBERS
EUROPE

2026 Chambers Europe

Plesner is listed in "Band 1" as regards Energy.

"Plesner offers in-depth knowledge, as well as accessible and first-class lawyers"

"Plesner is highly specialised in energy projects in Denmark"

The
LEGAL
500

2026 The Legal 500

Within Energy Plesner is a first tier firm.

"For us, their expertise within the energy sector was key, but they could also provide great support on financing and transactions"

"Long-term support with a strong team supporting remaining in place through-out the years"

IFLR1000

2025 IFLR1000

Plesner is listed in "Tier 1" as regards Project Development.



2025 The Legal 500

Within Energy Plesner is a first tier firm.

"Plesner is definitely one of the leading law firms in Denmark, also in the field of energy. Our collaboration has always been smooth and very knowledgeable. They are involved in all types of projects and transactions in the energy sector and are just excellent"

"Strong team with in-depth understanding of the industry. Accessible and responsive"

"Commercially driven, in difficult legal settings they were also flexible and came with good ideas proactively. Knowledgeable in the sector"

"High level of expertise within biogas"

"I find Plesner very reliable, they always pick up the phone and give pragmatic, very professional advice"



2025 Chambers Europe

"The team can handle very complex matters, largely because of the broad range of legal expertise it has on board"

"The lawyers at Plesner demonstrate their industry insight, ability to communicate and commercial mindset"



2023 - 2024 IFLR1000

Plesner is listed in "Tier 1" as regards Project Development.

"They were responsive, involved, knowledgeable and had good process management skills" (2023)

"Excellent commercial understanding" (2023)



2024 The Legal 500

Within Energy Plesner is a first tier firm. In addition, Plesner is a second tier within Shipping and Transport.

"Very experienced renowned legal service provider in the Danish renewable energy sector. They have a wide scope of legal services they can offer across the development project life cycle, which is important to us"

"We have had very good and efficient support since we entered the Danish market"

"Tier 1 law firm with the ability to provide professional advice on all legal matters"

"Highly skilled. Very good understanding of commercial needs as well the legal challenges. Very solution oriented"

"Very nice and diligent"



2024

Chambers Europe

"The law firm is very capable in understanding the complex political landscape when negotiating"

"The lawyers have an in-depth understanding of the industry and our requirements"

"Plesner's team is very responsive and has a good appreciation of the commercial aspects of a deal"



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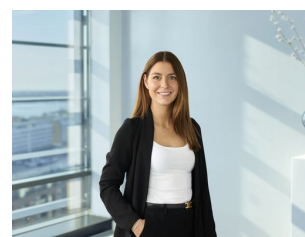
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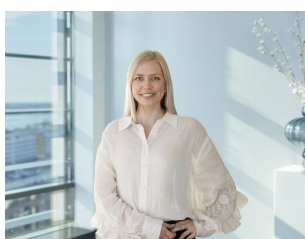
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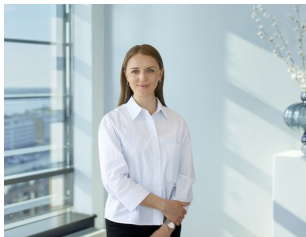
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