

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.

Cases

Case News 20.12.2024

TotalEnergies acquires majority stakes in two Danish offshore wind projects

Case News 18.12.2024

CIP acquires majority stake in the Toqlukuti'k wind and hydrogen project

Case News 28.11.2024

New international airport in Nuuk opens today

Case News 26.11.2024

Plesner advises on the sale of 40 wind turbines in Germany to European Energy

Case News 06.11.2024

Sønderborg Varme og Broager Fjernvarme sammenlægges

Case News 22.03.2024

The Tyra Redevelopment Project reaches first gas

Case News 23.01.2024

TotalEnergies and European Energy enter into strategic cooperation

Case News 09.11.2023

SEF sells German wind farm to European Energy

Case News 07.07.2023

Plesner advised Nordic Solar with EUR 300m flexible credit facility

Case News 02.01.2023

Andel acquires Tryggevælde Solar Park

Case News 23.11.2022

VELUX A/S and BayWa r.e. sign corporate power purchase agreements based on Spanish projects

Case News 09.11.2022

Plesner advises Commerz Real on investment in solar energy portfolio of up to 1 GW

Ratings



IFLR1000

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)



The
LEGAL
500

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"



CHAMBERS
EUROPE

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"



The
LEGAL
500

2023 The Legal 500

Within Energy Plesner is a first tier firm.

"Very broad experience across entire value chain and a team that has been involved early on from when energy supply was mostly a public monopoly to now a competitive industry"



2023 Chambers Europe

"Plesner has a broad team working on all matters in the energy mix and value chain. The firm is always available and solution-oriented"

"Plesner provides direct communication and has in-depth industry knowledge"



2021 - 2022 IFLR1000

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

"High level across different fields of expertise" (2022)

"Plesner is extremely professional as a law firm. Its lawyers are world class and the firm has significant depth in terms of advisory experience and capability" (2021/2022)

"Clear, concise and commercially pragmatic advice" (2021/2022)



2022 The Legal 500

Within Energy Plesner is a first tier firm.

"Very pragmatic advisers and clear client friendly advice. Good sector knowledge"

"Excellent knowledge and abundance of experience in the field, combined with sound commercial understanding"

"Excellent understanding of negotiation structures and situations"

"Very responsive, very commercial and succinct"

"All are really excellent. Very responsive. Really high-quality advice"

Our specialists



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