



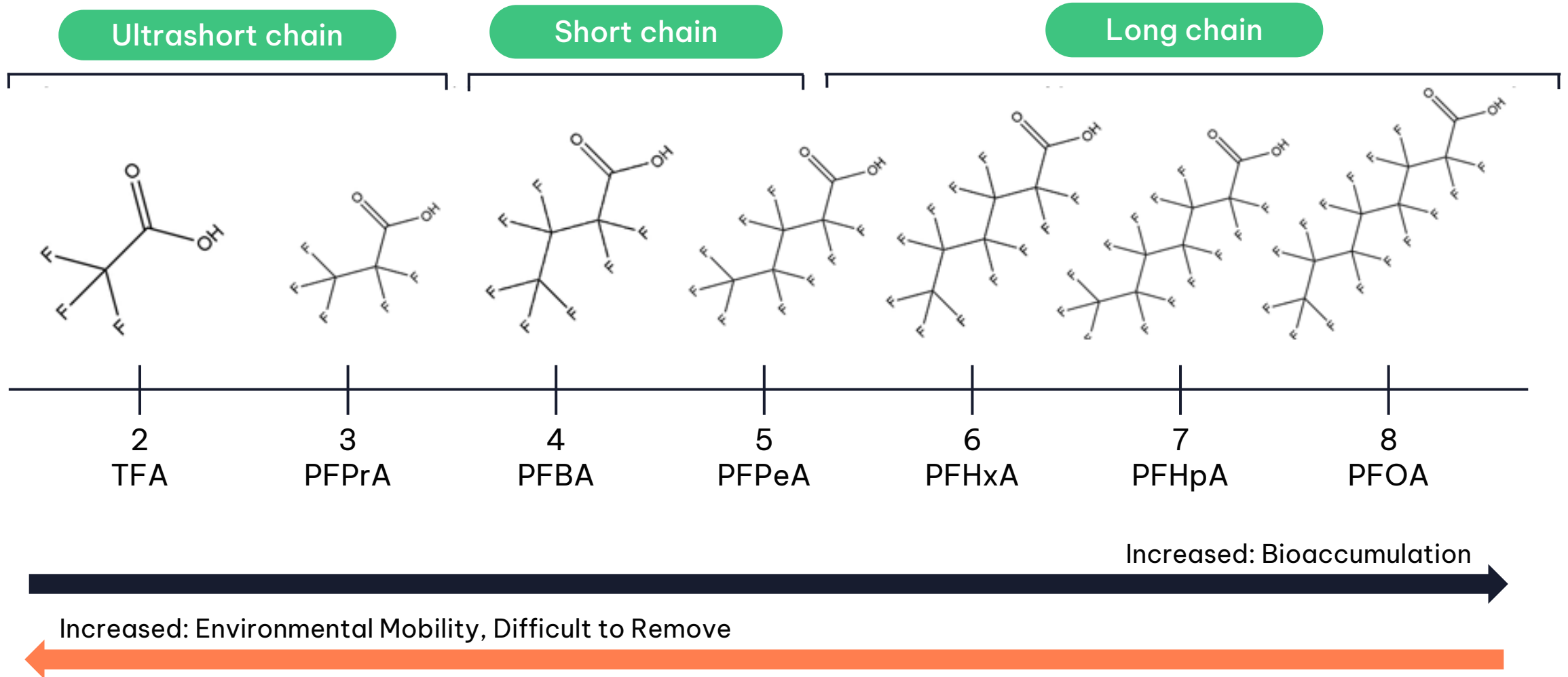
Clean water. Down to the last drop.

Permanently eliminate the most challenging PFAS from your water.

27 November 2025



PFAS treatment is not just about PFOS and PFOA anymore.



As concern and regulation around short- and ultra-short-chain PFAS rise, industries face growing scrutiny and business risk.



**The
Guardian**

Rapidly rising levels of TFA 'forever chemical' alarm experts

Le Monde

PFAS : la redevance sur les rejets dans l'eau payée par les industriels s'annonce beaucoup plus élevée que prévu

Basler Zeitung

Woher kommt das TFA im Baselbiet?



Rejets de PFAS : Chemours contraint de fermer une ligne de production à Dordrecht



Urgency of regulating trifluoroacetic acid (TFA) and phasing out PFAS pesticides to safeguard water resilience and public health in the EU

**Umwelt
Bundesamt**

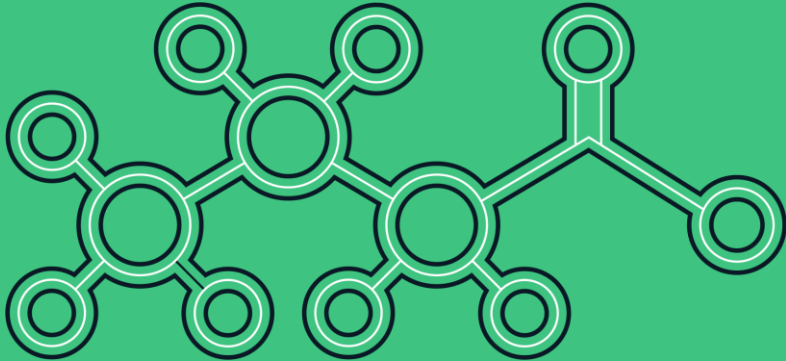
Joint press release from the Federal Institute for Occupational Safety and Health, the Federal Institute for Risk Assessment, and the German Environment Agency

German agencies classify TFA as toxic substance

Existing treatment technologies were not designed to effectively manage short- and ultra-short-chain PFAS.

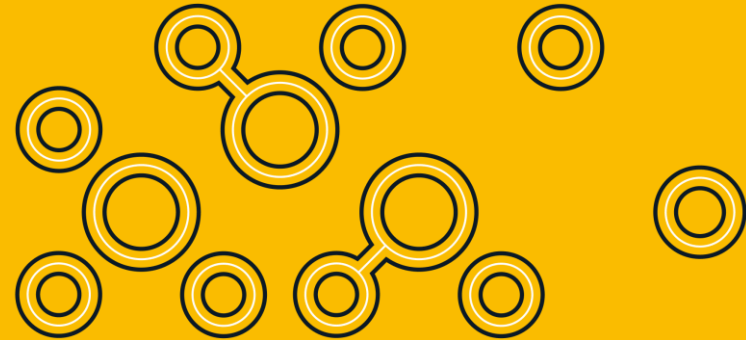


Legacy removal technologies



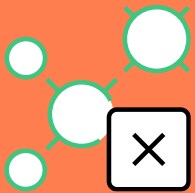
- ✗ Limited retention of short and ultra-short chain PFAS compounds.
- ✗ High media turnover and significant secondary-waste burdens

Emerging destruction technologies



- ✗ Variable performance and poor degradation efficiency for short- and ultra-short-chain PFAS.
- ✗ High operational energy demands and limited scalability.

Oxyle designs tailored solutions to tackle the most complex PFAS challenges, in particular short and ultrashort chain PFAS



Eliminates short and ultrashort chain PFAS.

Achieves degradation and defluorination of highly mobile USC and SC PFAS (<C4) without generating secondary PFAS waste streams.



Solves for high concentrations.

Applicable from trace levels (ppb) to elevated concentrations (ppm), supporting treatment across diverse industrial matrices.



Configured to match site-specific requirements.

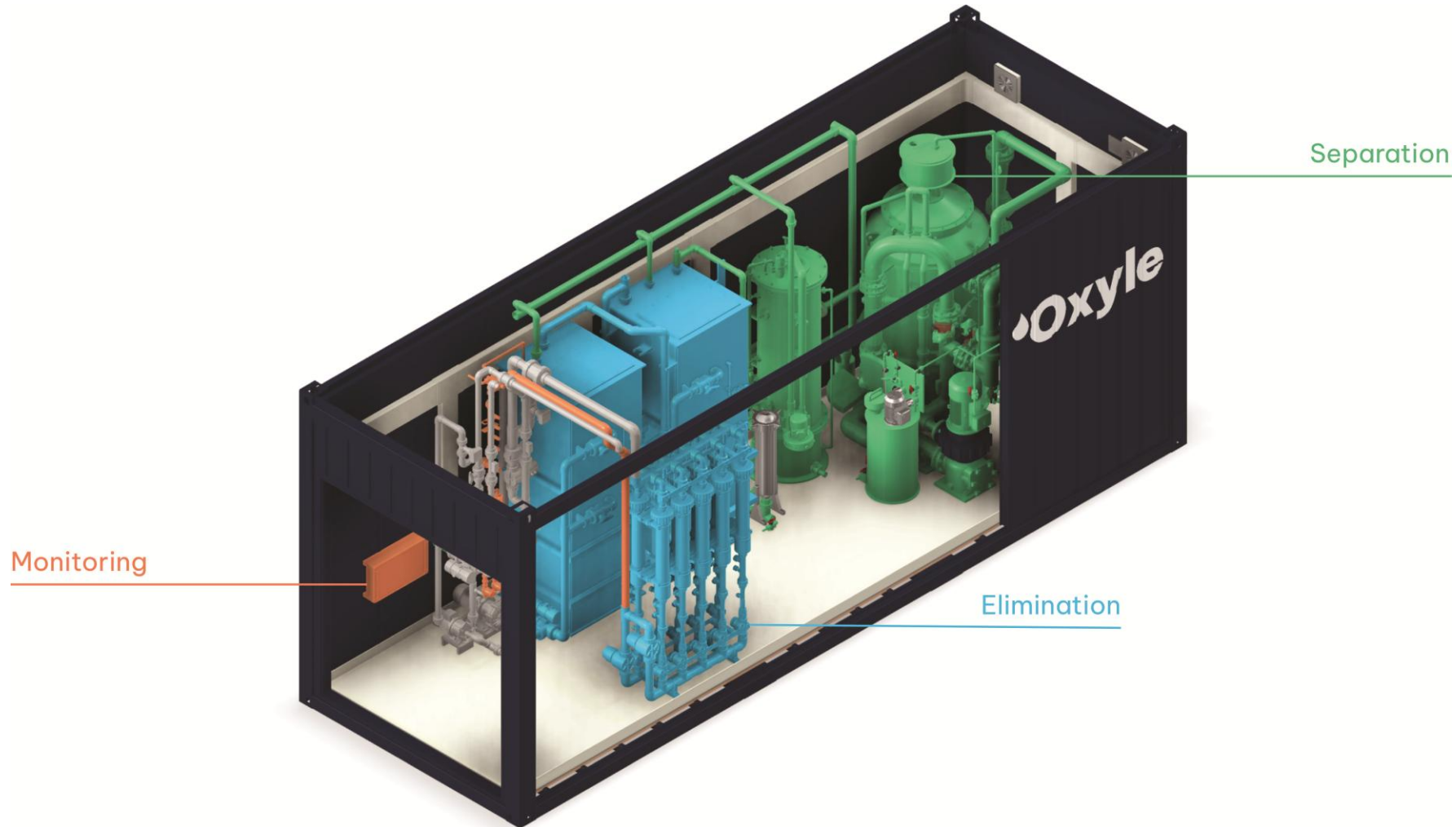
Treatment trains are tailored based on water chemistry, co-contaminants, and PFAS composition.



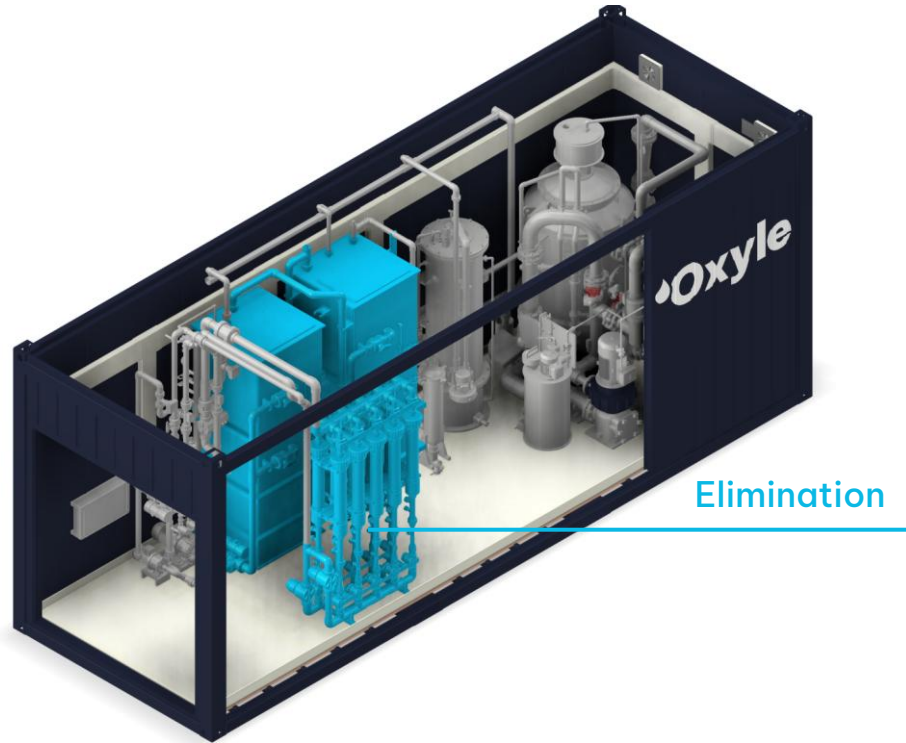
Maintains compliance as regulations evolve.

Enables management of TFA and other emerging short- and ultra-short-chain PFAS species to support long-term regulatory alignment.

Each system is configured based on the site's water characteristics, operational constraints, and performance targets.



PFAS is permanently eliminated.



OxLight

OxLight uses a photochemical reduction process to degrade short- and ultrashort-chain PFAS that are typically resistant to conventional treatment.

OxLight uses a photochemical reduction process to degrade PFAS.

01



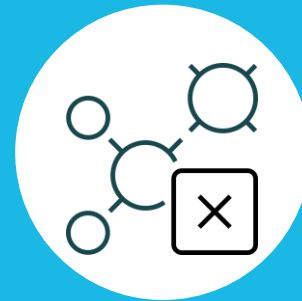
Chemical mediator is added to PFAS-contaminated wastewater.

02



UV light initiates the photochemical reduction reaction, transforming the chemical mediators into reactive species.

03



The reactive species break down the PFAS molecules.

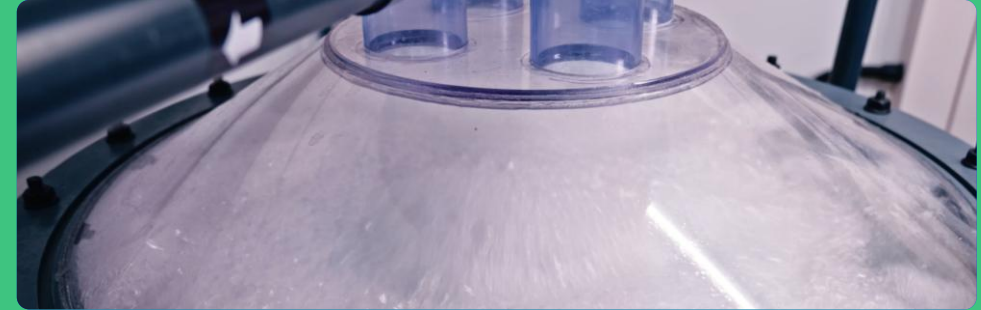
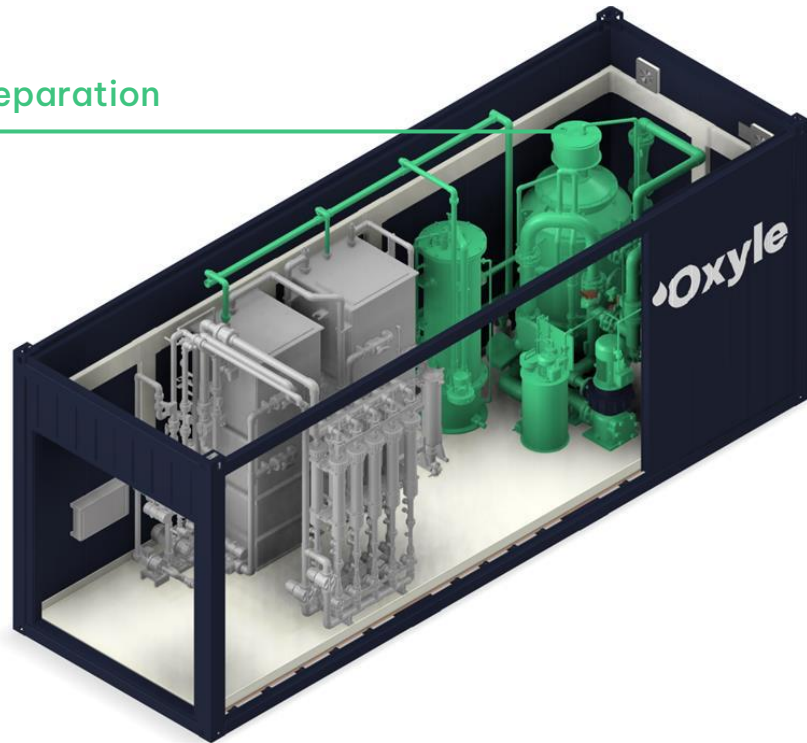
04



Effluent meets discharge requirements.

PFAS can be separated and concentrated for optimized treatment efficiency.

Separation



OxFoam

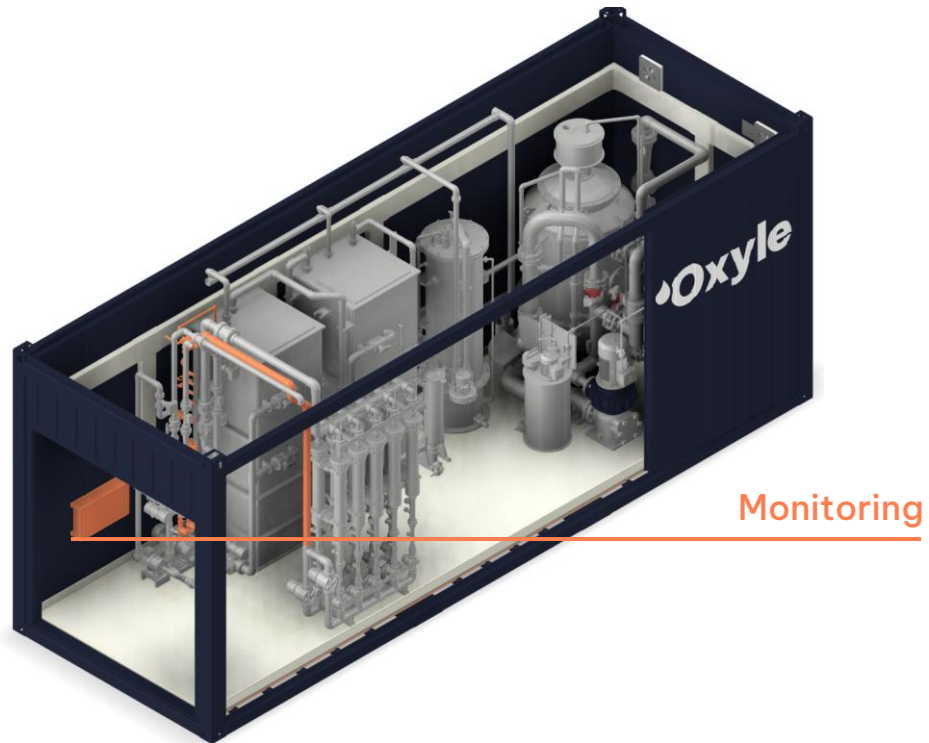
OxFoam separates and concentrates PFAS by 5–40x using air bubbles to capture the molecules at the air–water interface.



Filtration

Reverse osmosis (RO) and nanofiltration (NF) concentrate PFAS 5–10x by forcing water through tight-pore membranes.

Treatment performance
is monitored.



OxSignal

OxSignal is our in-development monitoring system that integrates data from multiple sensors and applies machine-learning models to estimate treatment performance in real time.

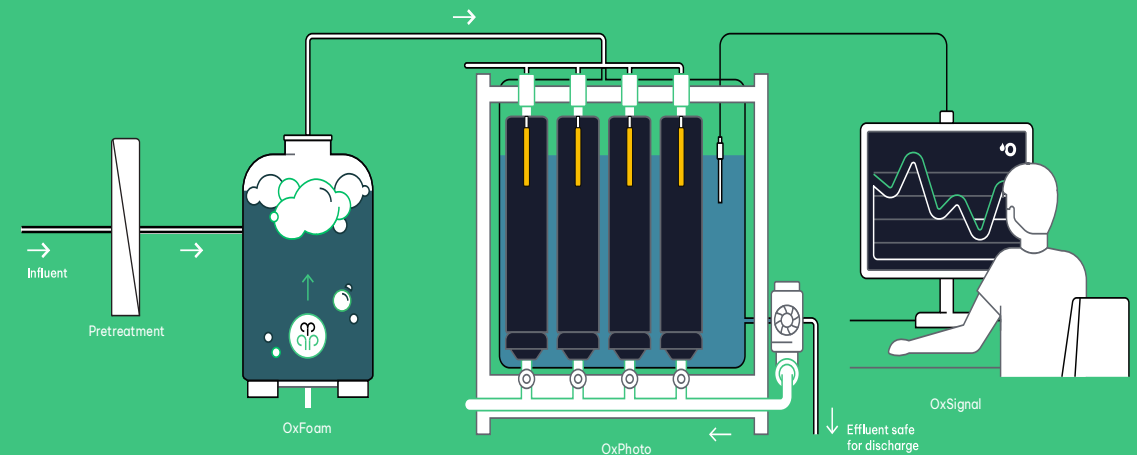
Water matrices vary widely.
No single technology performs
optimally across all water profiles.

PFAS Treatment Parameters

Water stream	Hardness
Flow rate	COD
PH	Conductivity
PFAS compounds	Salts
PFAS concentration	Inorganic pollutants
PFAS Limits	Footprint

Treatment design likely to include a combination of :

- Pretreatment
- Separation-concentration
- PFAS Treatment
- Polishing step
- Real time monitoring



**Example process design*

Oxyle degrades >97% of ultrashort and short chain PFAS in industrial wastewater.

Customer case

Industrial WW

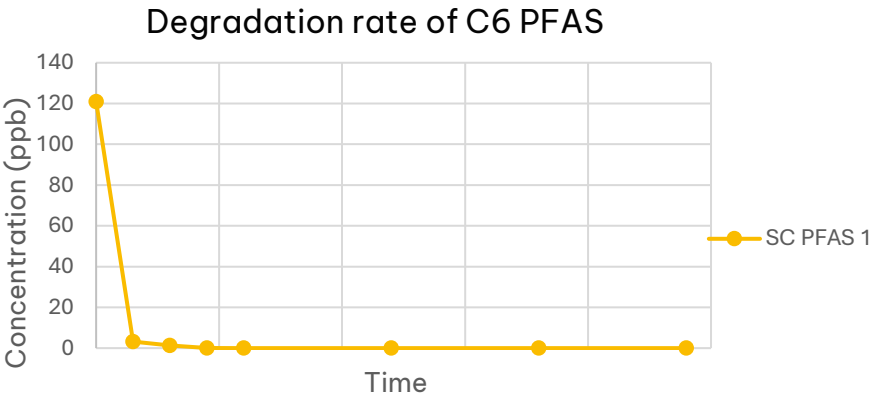
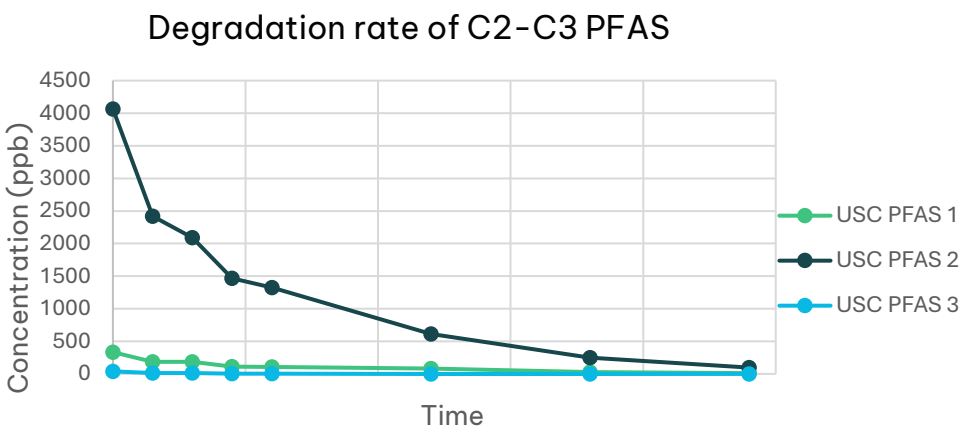
Mixed

Context

In a lab-scale trial with industrial wastewater, we successfully demonstrated the effectiveness of OxLight, our photochemical reduction technology, to degrade a mixture of ultrashort (ex: TFA, TFPrA, etc.), and short chain PFAS.

Results

- Reduced ultrashort chain PFAS (C2-3) by more than 97%
- Reduced short chain PFAS (C6) by more than 99.99%
- Effectively managed large concentrations of PFAS (thousands of ppb)



Chain-Length	PFAS Component	Inlet (ppb)	Outlet (ppb)	Removal%
C2 & C3	USC PFAS 1	~300	10-30	>96%
	USC PFAS 2	~4000	70-100	>97%
	USC PFAS 3	~40	<0.16	>99%
C6	SC PFAS 1	~120	<0.01	>99.99%
C2-C6	Sum PFAS	~4500	~100	>97%

Oxyle degrades >98% of TFA in contaminated groundwater.



Customer case

Groundwater

USC

Use case

Groundwater remediation at industrial site, contaminated by legacy activities.

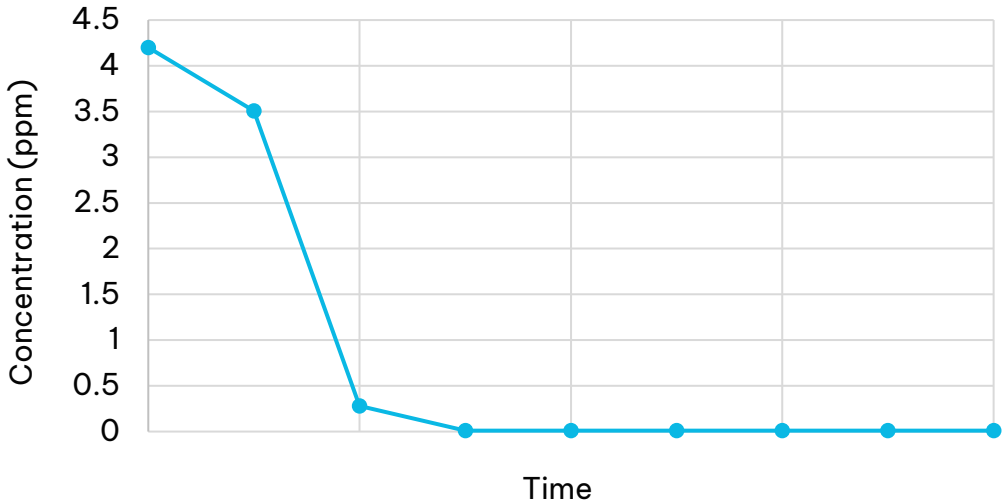
Context

In a lab-scale trial with contaminated groundwater, we successfully demonstrated the effectiveness of OxLight, our photochemical reduction technology, to substantially degrade TFA in contaminated groundwater.

Results

- TFA degradation from ~4 ppm down to detection limit of 0.1 ppm.
- Effectively managed large concentrations of TFA ppm.
- Effluent levels well below target discharge goal.

Degradation rate for TFA



PFAS Compound	Inlet (ppm)	Outlet (ppm)	Removal (%)
TFA	~ 4.00	~ 0.10	~ 98%

Oxyle degrades >99% of PFBA in contaminated groundwater.

Customer case Groundwater Concentrated SC

Use case

Groundwater remediation from construction site, contaminated by legacy activities.

Context

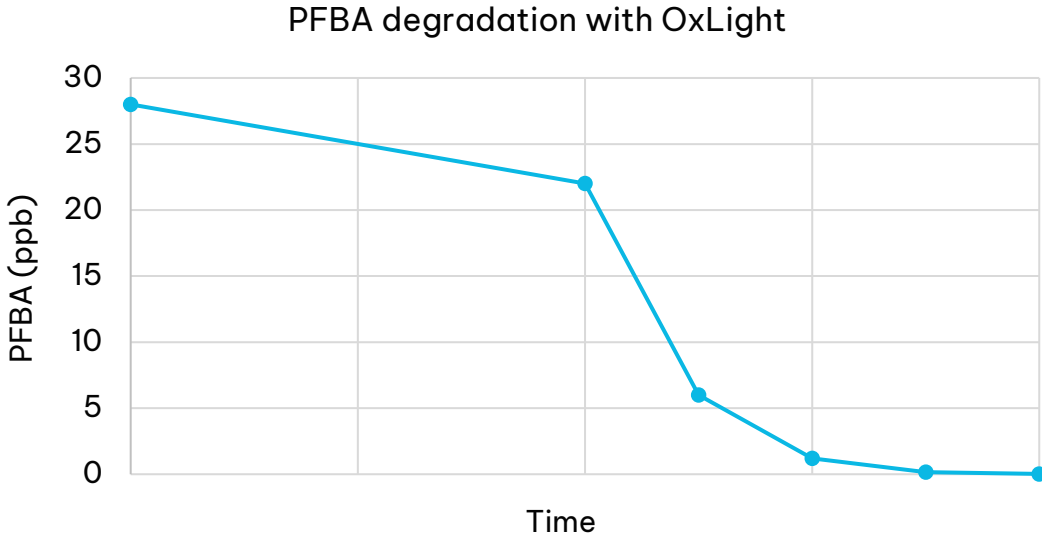
In a lab-scale trial, we combined nanofiltration with OxLight, our photochemical reduction technology, and achieved substantial degradation of PFBA in contaminated groundwater.

Results

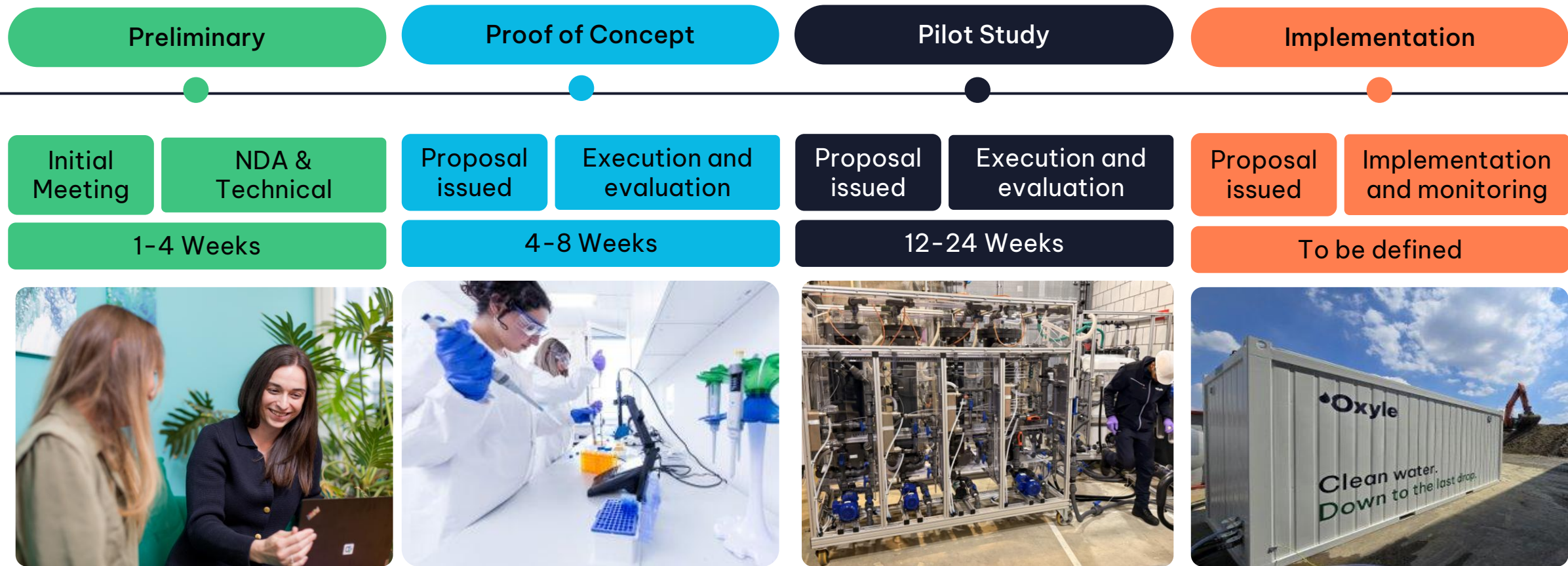
- >3× PFBA concentration achieved with nanofiltration
- >99% PFBA degradation using OxLight
- PFBA effluent levels reached target discharge goal



PFAS Compound	Inlet feed (ppb)	NF concentrate (ppb)	OxLight outlet (ppb)	Removal %
PFBA	~8.00	28.0	0.02	~ 99 %



Structured project pathway from evaluation to deployment.



The Oxyle logo, featuring a stylized water drop icon followed by the word "Oxyle" in a bold, sans-serif font.

Oxyle

The Oxyle logo, featuring a stylized water drop icon followed by the word "Oxyle" in a bold, sans-serif font.

Oxyle

Clean water.
Down to the last drop.

Let's advance PFAS
treatment together.

www.oxyle.com

Backed by investors. Validated by experts. Chosen by customers.



2020

Founded.



\$26 M

Funding raised.



+15

Recognitions received.



+20

Customer projects ongoing.

