

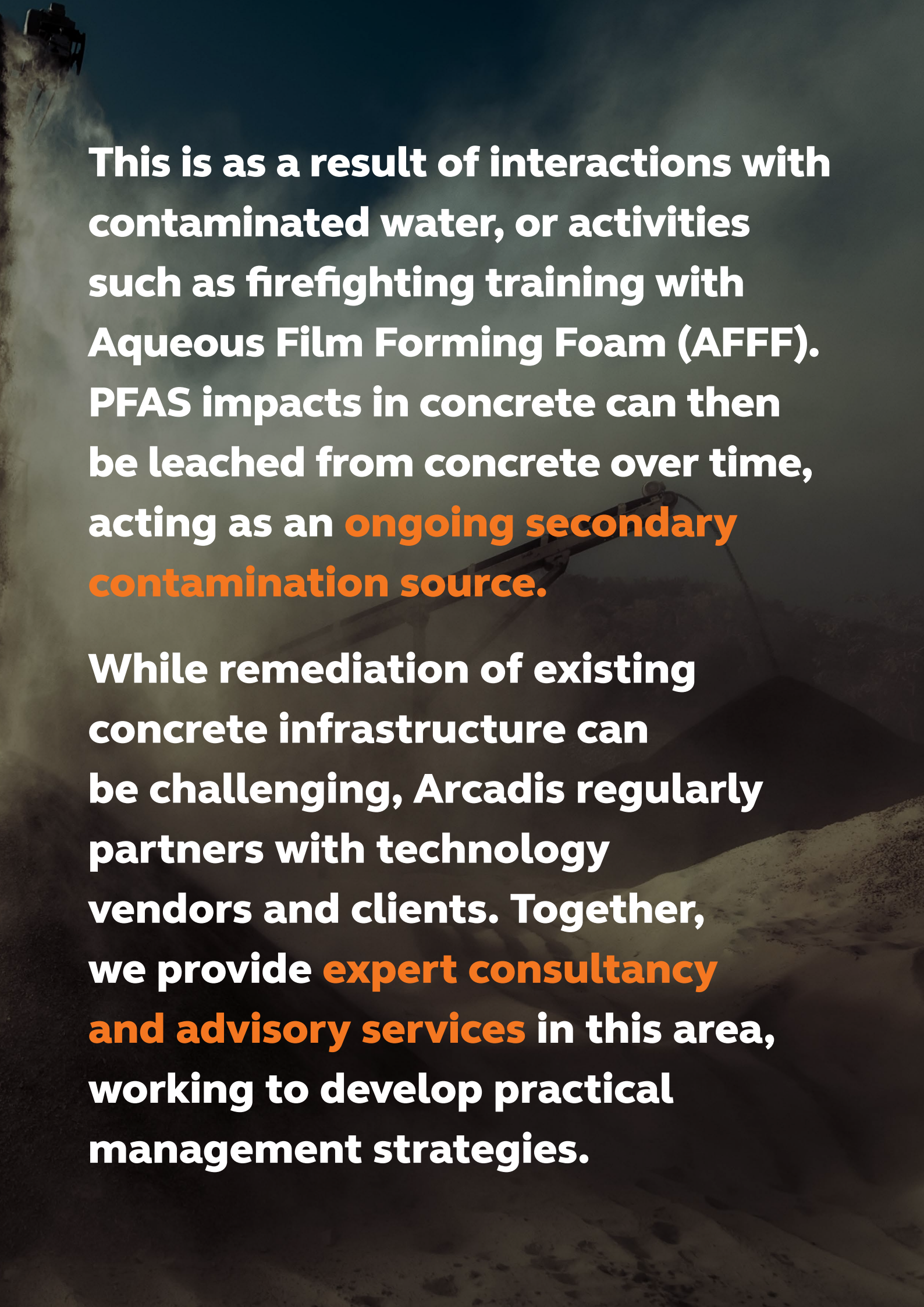
# CONCRETE



# **PFAS**

## **IN CONCRETE**

**Due to its porous nature, concrete can absorb and accumulate PFAS contamination.**



**This is as a result of interactions with contaminated water, or activities such as firefighting training with Aqueous Film Forming Foam (AFFF). PFAS impacts in concrete can then be leached from concrete over time, acting as an **ongoing secondary contamination source**.**

**While remediation of existing concrete infrastructure can be challenging, Arcadis regularly partners with technology vendors and clients. Together, we provide **expert consultancy and advisory services** in this area, working to develop practical management strategies.**



# OUR SOLUTIONS

# SURFACE SEALANTS

## **SURFACE SEALANTS**

**In order to prevent releases of PFAS from concrete infrastructure, Arcadis has partnered with manufacturers to trial and develop surface sealants that manage the leaching of PFAS.**

**Care is needed when assessing the suitability of a site and the proposed surface sealants, as factors such as thermal stability, degradation over time, and ongoing maintenance need consideration. Arcadis can provide our clients with advice on a wide range of polymer-based coatings to manage PFAS in impacted concrete.**

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## **SURFACE TREATMENTS**

**Arcadis is proud to be working on a cutting-edge solution for PFAS-impacted concrete infrastructures.**

**Arcadis has trialled a proprietary technology surface treatment which, when applied to concrete, undergoes a polymerisation and crystallisation reaction within the base material. This creates a long-lasting, chemically resistant barrier which encapsulates and stabilises PFAS compounds in concrete. This surface treatment can be sprayed on or applied as paste to concrete infrastructure.**

**For a proactive approach, the proprietary product can also be added to the concrete and stabilises the mixture. This product can be used either to prevent PFAS contamination, or to enable safe off-site disposal of PFAS impacted concrete waste materials.**

# THE ARCADIS STORY

Arcadis has a long history of management and remediation of PFAS impacts, starting over 14 years ago with our first projects in Belgium, Germany and the UK. Arcadis now has **more than 75 projects** in our portfolio, representing **over 300 individual sites** in **12 countries**. Our expert team consists of **over 100 innovators**, including chemists, toxicologists, hydrogeologists, geologists, risk assessors and remediation engineers.

Arcadis is the leading global Design & Consultancy firm for natural and built assets, tracing its roots back to the Association for Wasteland Redevelopment in the Netherlands in 1888. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services, **we work to deliver exceptional and sustainable outcomes.**

**With over 27,000 people in over 70 countries and a generated €3.3 billion in revenue, Arcadis' rich history lends the perfect foundation for the innovative solutions we have now become renowned for.**

# 27,000

PEOPLE



**WE WORK  
TO DELIVER  
EXCEPTIONAL  
— & —  
SUSTAINABLE  
OUTCOMES**

**70**

**COUNTRIES**

**€3.3**

**BILLION IN REVENUE**

# MINIMISE YOUR IMPACT TODAY

David Raftery

Sector Managing Director - Environment

[David.Raftery@arcadis.com](mailto:David.Raftery@arcadis.com)

T: +61 (3) 8626 6820



Level 16, 580 George Street, Sydney, NSW, 2000

02 8907 9000

[aus@arcadis.com](mailto:aus@arcadis.com)

[arcadis.com/au](http://arcadis.com/au)