

CONTRACTS

The role of a dredging expert witness

Duties, pitfalls and lessons learned in delivering clear, unbiased technical evidence in complex disputes.



6



16

INTERVIEW

Meet Arnold de Bruijn, IADC's new Secretary General

Sharing his career journey and vision for shaping the association's future.

SUSTAINABILITY

Sediment: the silent threat to reservoir sustainability

Sedimentation's impact on reservoir capacity and how continuous sediment transfer offers a sustainable solution. Article by Lara Gehrmann, winner of IADC's Young Author Pitch Talk Award 2024.



20



28

ENVIRONMENT

Turbidity forecasting to support adaptive dredging operations

How predictive turbidity modelling enabled proactive, compliant and adaptive dredging at the Port of Sohar.

EVENTS

Upcoming courses and conferences

Check out the CEDA Dredging Days, taking place 11-13 May in Antwerp, Belgium.



42

CHARTING THE NEXT CHAPTER



feature on page 16, Arnold reflects on the professional path that brought him to this role and the experiences that shaped his perspective on the dredging industry. With a career spanning operational and strategic aspects of the maritime industry, he shares his thoughts on strengthening collaboration within the sector and ensuring that the industry continues to play a constructive role in addressing global water and infrastructure challenges. Leadership transitions offer a chance to both recognise past achievements and look ahead, and this insight provides an engaging introduction to the priorities that will help guide IADC in the years to come.

Elsewhere in this issue, we explore several themes that demonstrate the increasingly multidisciplinary nature of dredging today.

Disputes in complex marine infrastructure projects are not uncommon, and when they arise, clarity and objectivity are essential. The article on the role of a dredging expert witness examines the responsibilities and challenges faced by specialists providing independent technical evidence in arbitration and litigation.

Climate adaptation and sustainability remain central to the industry's future. Winner of the IADC Young Author Pitch Talk Award 2024, Lara Gehrmann explores reservoir sedimentation and its impact on long-term water storage capacity. By examining continuous sediment transfer as a potential solution, the article highlights how effective sediment management can contribute to environmental sustainability and infrastructure resilience.

Environmental stewardship is also at the heart of our final feature, examining turbidity forecasting to support adaptive dredging operations at the Port of Sohar. The case study shows how predictive modelling enables proactive decision-making, allowing dredging to proceed efficiently while maintaining environmental compliance.

Together, the articles in this issue illustrate an industry that continues to evolve while adapting to ever-changing challenges, underscoring IADC's commitment to guiding its members and strengthening the resilience and global impact of the dredging sector.

Frank Verhoeven
President, IADC

In a world marked by rapid change, geopolitical uncertainty and intensifying climate pressures, the work of the dredging industry remains quietly foundational. Ports must expand to support global trade, waterways must adapt to shifting sediment dynamics and coastlines and reservoirs require careful management as climate pressures intensify. As infrastructure systems face new challenges, the role of dredging in enabling resilient water management and maritime access has rarely been clearer. Against this backdrop, this spring edition brings together perspectives that reflect both the technical depth and evolving responsibilities of our sector.

This issue also marks a moment of transition for the association itself. We are pleased to welcome Arnold de Bruijn as the new Secretary General of IADC. In the

The role of dredging in enabling resilient water management has rarely been clearer.