

Over 1,600 km of river with two dams and thousands of water users. **One** river management system.

You can too.

DHI are the first people you should call when you have a tough challenge to solve in a water environment – be it a river, a reservoir, an ocean, a coastline, within a city or a factory.

Our knowledge of water environments is second-to-none. It represents 50 years of dedicated research and real-life experience from more than 140 countries. We strive to make this knowledge globally accessible to clients and partners by channelling it through our local teams and unique software.

Our world is water. So whether you need to save water, share it fairly, improve its quality, quantify its impact or manage its flow, we can help. Our knowledge, combined with our team's expertise and the power of our technology, holds the key to unlocking the right solution.

The expert in **WATER ENVIRONMENTS**



Local solution

The **1,600 km long Murrumbidgee River** in southern New South Wales, Australia, is an important source of water for irrigation, urban water supplies and river wetlands. One of Australia's longest rivers, its daily operation is also very complex. This complexity, combined with the need to meet critical irrigation, environmental and town water demands often results in excess water being released and subsequently lost to the river system. To **ensure that the right amount of water reaches those who need it at the right time**, we worked with the State Water Corporation to develop the Computer Aided River Management (CARM) system.

CARM integrates models reproducing key catchment and river processes with real-time measurements for the entire Murrumbidgee River system. This allows the State Water Corporation to combine dam releases with natural tributary inflows. **By better managing water releases, less water is lost to evaporation and evapotranspiration.**

“ CARM is a world class development designed to maximise the efficiency of the Murrumbidgee River system. ”

Brett Tucker,
Chief Executive Officer, State Water Corporation,
New South Wales, Australia

Global knowledge

CARM's backbone is our real-time, fully hydrodynamic model. Giving river operators a **correct description of the river's state** ensures that the right amount of water reaches the right location at the right time.

Winner of the Australian Water Association's National Award for Infrastructure and Innovation, CARM is a Decision Support System built around our MIKE OPERATIONS and MIKE by Powered by DHI software. From the smallest streams to largest rivers, we use our experience to adapt and scale our products to meet your specific needs.



For more information on our solutions, visit www.dhigroup.com/Publications/DHISignatureProjects/carm.aspx

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