



“The world's most powerful 1D/2D hydrodynamic engine”

Flood Tide and Simulation Software

Floods and storm tides cause extensive damage, stress, loss of life-and-limb, and dislocate communities. To fully understand and manage these risks requires modelling software that accurately predicts inundation patterns from floods and storm tides. TUFLOW meets this challenge effectively, reliably and within an economical cost structure.

TUFLOW models flooding in major rivers through to complex overland and piped urban flows; estuarine and coastal tide hydraulics; and storm tide inundation.

TUFLOW is one-dimensional (1D) and two-dimensional (2D) flood and tide simulation software. It simulates the complex hydrodynamics of floods and tides using the full 1D St Venant equations and the full 2D free-surface shallow water equations. It offers unparalleled 1D/2D dynamic linking capabilities. TUFLOW has been merged with XP-Software's XP-SWMM 1D engine, with Halcrow's ISIS 1D engine (the predominant 1D software in the UK), and incorporated into the USA-based Environmental Modeling Systems SMS software.

More than 150 organisations in fourteen countries use TUFLOW, with many of the larger organisations utilising extended network licences across offices worldwide.

TUFLOW totally dominates the large UK market for 2D flood investigations, and is the most widely used 1D/2D flood modelling software in Australia. TUFLOW is an established and internationally recognised flood modelling software, and is arguably the world's most powerful 1D/2D hydrodynamic computational engine.



BMT WBM

“Where will our knowledge take you?”