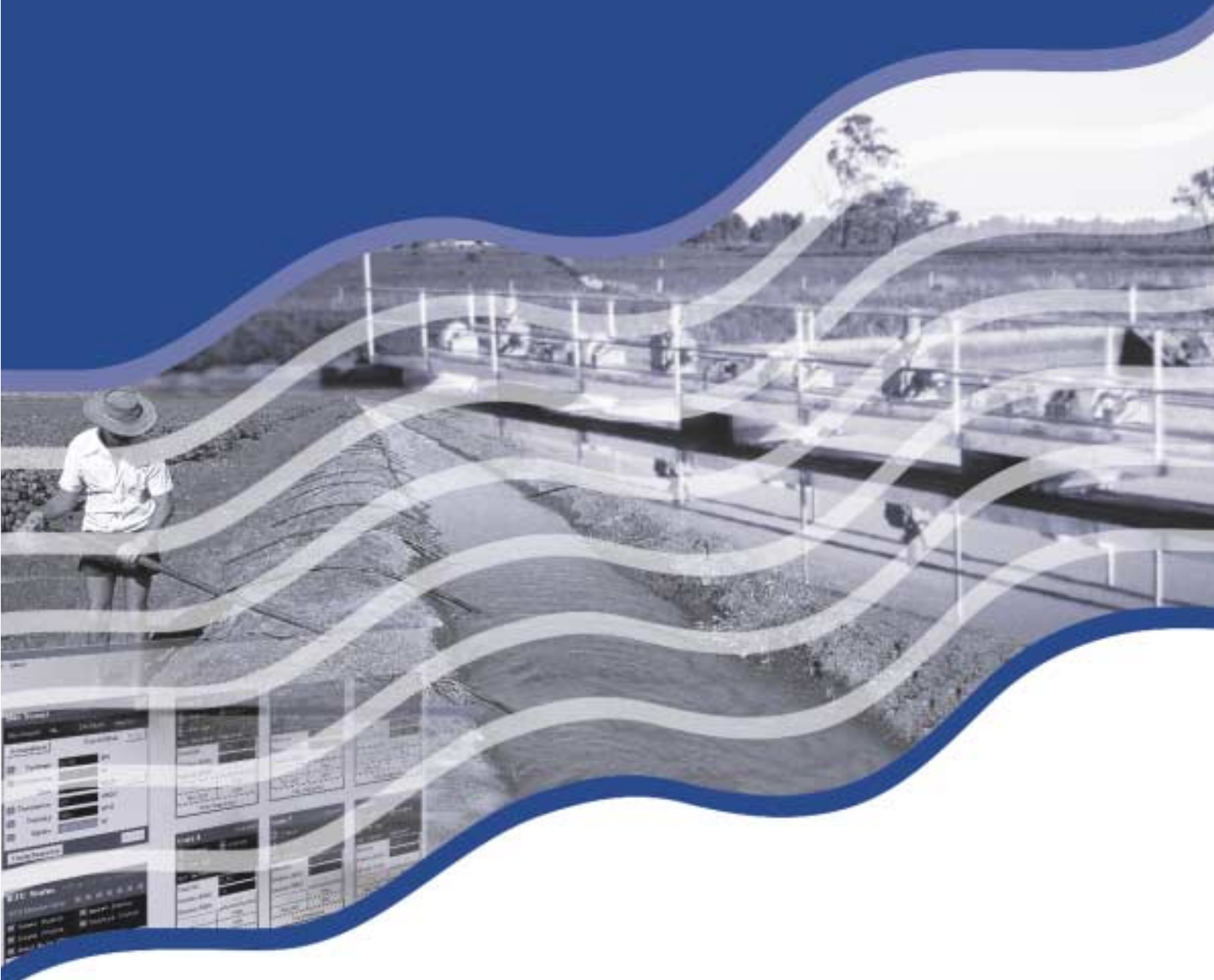


GATES



RUBICON

GATES

Rubicon is a leading provider of advanced Gate technology and Water Management solutions to the industry offering a full range of design, manufacturing, integration, and support programs.

Rubicon provides a diverse range of Gate products to meet the requirements of water management organisations from Large Gates and Multiple Structure configurations to small outlets and metering points.

Integral to Rubicon Gate products are its flow measurement technology, robust gate positioning features, precision control and ready for wireless connectivity to SCADA.

Custom Gates

Rubicon has significant experience in the provision of Gate products large and small for the water market and delivers total end-to-end Gate solutions for the control and management of large flow applications. Rubicon's multi-disciplined team provides full design, manufacture, integration, commissioning and support programs for all Gate products. The range of gates is comprehensive and includes Overshot, Undershot and Radial in single and Multi-bay configurations. Gate solutions can be configured with complete instrumentation, flow measurement, solar configuration and ready for wireless connection to a broad range of SCADA systems.

Standard Rubicon Gate Products

Rubicon offers an exciting range of Standard Gate products that are manufactured, configured and calibrated ready for simple drop in installation. Rubicon offers two standard and patented gate products which include FlumeGate™ and SlipGate™

Standard gate features:

- Precision flow measurement
- Upstream/downstream water level
- NeuroFlo™ Control Software
- Gate Positioning
- Local Display
- SolarDrive™ advanced power and motor management
- Integrated SCADA and wireless connectivity
- Drop in installation in both wet and dry conditions
- Factory calibrated and configured

FlumeGate™

Rubicon's FlumeGate™ is an overshot design gate that is setting new standards of performance, design and integration in the Irrigation and broader water markets. The FlumeGate™ is a precision flow measurement device that uses advanced drive and solar power management technologies. The gate has been specifically designed for volume production and can be configured in the factory for custom dimensions.

FlumeGate™ is fully tested and calibrated ready for installation at site and connection to a broad range of wireless and SCADA networks.

SlipGate™

Rubicon's SlipGate™ is an undershot design gate that is a significant improvement on traditional designs. The unique design locates the actuation system at top of head wall level, eliminating elevated frames and walkways. SlipGate™ incorporates unique lifting technology that delivers low friction and low power consumption. SlipGate™ is integrated with gate positioning, upstream water level, SolarDrive™ power management and local display. SlipGate™ has been designed for volume production allowing factory configuration for custom dimensions. SlipGate™ is fully tested and calibrated at the factory ensuring easy installation at site and ready to connect to a broad range of wireless and SCADA networks.

SlipGate™ = Low profile and economical solution for traditional sluice gates



Let Rubicon show you how intelligent gates can add new levels of precision control and performance to your networks.

RUBICON GATE PRODUCTS

Gate Features	FlumeGate™	SlipGate™	Custom Gates
Flow Measurement	✓	*	○
Upstream Water Level	✓	✓	○
DownStream Water Level	✓	○	○
SolarDrive Power Management	✓	✓	✓
Low Power applications	✓	✓	*
NeuroFlo Software	✓	✓	✓
Local Display	✓	✓	✓
Integrated SCADA	✓	✓	✓
Wireless Connectivity	✓	✓	✓
Positive Drive Actuation	✓	✓	○
Gate Position Instrumentation	✓	✓	✓
Low Profile	✓	✓	*
Drop In Ready to use	✓	✓	*
Factory Calibrated	✓	✓	*
Installation in wet	✓	✓	*
Low Maintenance	✓	✓	✓
OverShot Design	✓	*	○
UnderShot Design	*	✓	○

Standard ✓ Optional ○ Not Available *

Rubicon Gate Technology includes:

SolarDrive™

Rubicon's advanced SolarDrive™ technology manages all aspects of power usage and sensor marshalling within the gate. SolarDrive™ provides:

- Comprehensive gate management and fault detection systems
- Solid state motor switching
- Torque monitoring and control
- Soft starting drive control
- Solar regulation management matching battery temperature and voltage specifications
- Power shutdown and management
- Sensor marshalling for all instrumentation
- Full Diagnostics

NeuroFlo™ (patent applied for)

Control Industry best practice is based upon achieving local gate, system wide or global objectives. Integral to Rubicon's Total Channel Control system is the NeuroFlo™ control software within each gate in the network. NeuroFlo™ learns the

behaviour of the channel and matches an optimal control strategy to each gate. The 'self-tuning' feature of NeuroFlo™ can optimise operations within a matter of hours.

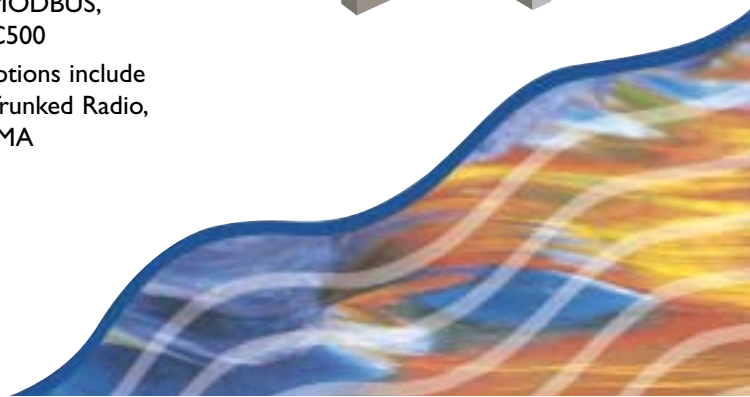
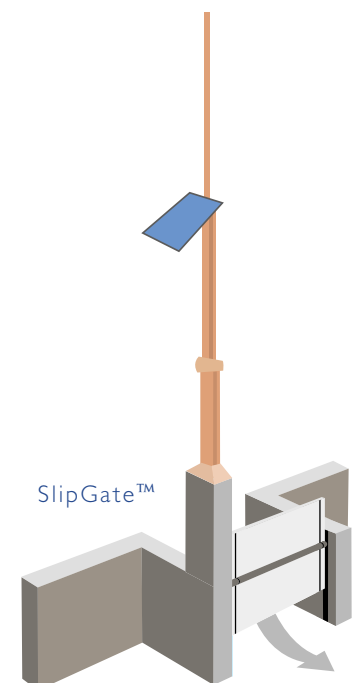
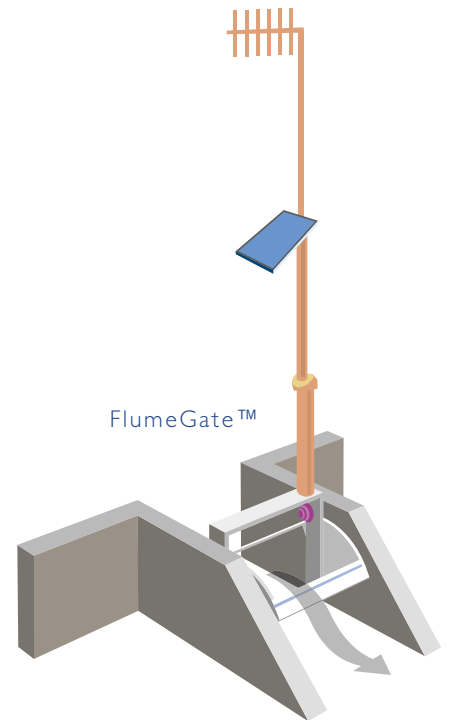
Rubicon's NeuroFlo™ technology offers:

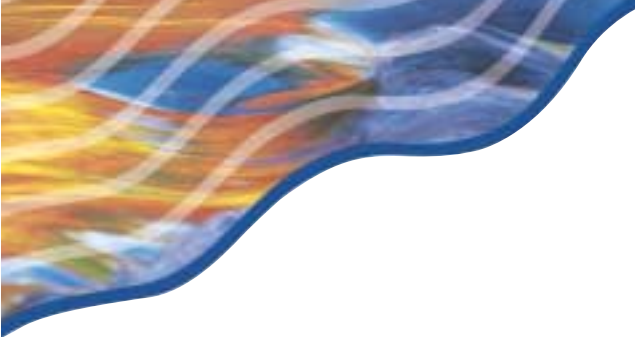
- Total Channel Control
- Upstream Control
- Downstream and Distant Downstream Control
- Flow Control

SCADA Ready

Rubicon Gate products are integrated with SCADA and a wide choice of wireline and wireless connectivity options. Industry standard SCADA protocols are supported which include:

- MDLC, DNP 3.0, MODBUS, ABPLC5(DFI), SLC500
- Radio Network Options include 400Mhz, 900Mhz, Trunked Radio, Satellite, GSM, CDMA





*Rubicon Gates delivering
precision flow measurement
precision control.*

Rubicon Systems Australia provides specialist operational technology to the utility industry. Rubicon solutions integrate operational data through open and standard IT platforms to fully exploit the capabilities of enterprise wide computing environments. Rubicon technology provides organisations with real time tools to improve business efficiencies, better manage resources, and enhance customer service programmes. Rubicon is focussed on delivering end to end solutions for the irrigation, rural and urban water markets.

Controls

- Advanced SCADA systems
- Remote monitoring
- NFM and SNMP networks
- Motorola MOSCAD specialists
- Network/systems integration
- Open standard platforms
- Legacy system integration

Water Technology

- Gates and actuation
- FlumeGate manufacture
- Flow measurement
- Engineering design
- Field installation
- Instrumentation
- R&D programmes



Resource Management Solutions

- Resource management systems
- Open and standard IT platforms
- Demand management
- Planning/scheduling systems
- Data warehouse systems
- IVR and WEB based modules
- Network modelling
- Event management systems
- Total Channel Control systems



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Rubicon FlumeGate™ and SlipGate™ products incorporate Motorola MOSCAD Advanced SCADA solutions
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