

# AIS Technology in action



## Warringah Aquatic Centre bids farewell to chlorine deliveries forever with EcoLine™

**Read what Warringah Aquatic Centre's General Manager, Gary Penfold has to say about AIS' EcoLine™ inline chlorinator operating in his municipal facility's indoor 50 metre swimming pool.**

*“Warringah Aquatic Centre has had an EcoLine™ chlorinator installed for the indoor 50 metre swimming pool facility.*

*Management has been very happy over the six months it has been in operation. Prior to this the facility had been using Sodium Hypochlorite.*

*A test environment was established as part of a risk assessment undertaken for the purchase of the product with criteria such as; consumption and cost of chemicals, Workplace Health and Safety, bather and staff comfort, TDS readings, air quality (chloramines in particular) compliance of chlorine levels and other environmental factors.*

*Since switching over to EcoLine™ the data has shown us that these criteria were met and the issues addressed.*

*There was a level of scepticism by staff when the product was first introduced. Staff have seen many different products come and go over the years, but have admitted to being very happy and pleasantly surprised not only with the operation of the EcoLine™ unit but also the low maintenance and install of the chlorinator as well. This is further enhanced by the fact that the former system can be retained as built in redundancy if anything should go wrong. Since the chlorinator produces chlorine on site at a low TDS Level, there is no longer any need for chlorine tanks, banded areas or chlorine deliveries. There has also been a reduction in the dumping of water at the Centre as the TDS levels are reducing over time - not increasing.*

*The chlorinator super chlorinates the water constantly so there is a reduced need to super chlorinate the water - it is done automatically. We are expecting increased savings in the replacement of plant and equipment costs, as well as the life span of the concrete at the centre.*

*With the reduction of chloramines in the atmosphere, the level of chloride penetration is anticipated to be reduced.*

*The chlorine tanks also needed replacing, and therefore we have been able to save on the cost of the replacement tanks and we can now potentially use that space for storage as the EcoLine™ unit is compact and doesn't take much room.*

*The air quality of the centre has been significantly improved, so it has become a much better swimming experience and work environment for our customers and staff. Staff have noticed much improved air quality in the offices and it is anticipated that equipment like computers etc. will have a longer life span.*

*The EcoLine™ system works in conjunction with our control system so there was no change in the overall operation of the centre. Staff time required to operate the previous system has been reduced as we no longer have Sodium Hypochlorite deliveries and many Workplace, Health and Safety hazards have been eliminated as we do not have the hazardous goods deliveries and on-site storage issues that we had before.*

*The centre now has six monthly maintenance program on the EcoLine™ system which is being outsourced to the installers and is a further efficiency.*

*In summary, now that there is site based data which demonstrates the unit has reduced the chloramines and TDS Levels, as well as the cost savings and all whilst keeping the pool compliant with health requirements, WAC Management is happy with the EcoLine™ chlorinator. ”*

**Gary Penfold**  
General Manager Warringah Aquatic Centre