



MATRIX INTERNATIONAL (UK) LTD.

SPECIAL WATER TREATMENT & SUPPLY STANDARDS &  
CONSIDERATIONS

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**Water Treatment & Supply**

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## **1 Water Treatment & Supply Specific Standards**

### **1.1 The Water Industry Standards**

For water supply systems the ISO ICS 91.140.60 standard applies, for drinking water ISO ICS 13.060.20 applies and to Sewage systems 13.060.30 applies.

These Standards cover how to develop Water and sewage systems to meet proper standards of Safety, Effectiveness and price.

### **1.2 Implementation**

To enable these improvements, ISO ICS standards require a Quality management system such as ISO9001 which operates in a loop of what can be abstracted to Leadership → Planning → Support → Operation → Performance → Evaluation → Improvement which then loops back round to the Leadership to implement such improvements for the next iterative cycle.

### **1.3 Limitation and Extentions**

Despite a generalised standard, each implementation is different. Hence Matrix develops a specific mode of operation specific to each task borrowing from other complementary standards which may apply to the system aswell as incorporating any standard the customer requests.

This ensures effective work beyond the minimum of the international Water & Sewage Standards.

## **2 Water Treatment & Supply Integration Concerns**

### **2.1 Existing Computer Systems & Protocols**

Wheter in an airport or part production, an industrial control system must interact with other computerised systems which exist in the Water industry. Integrating with these seamlessly can often require adapting to and understanding said bespoke systems.

Hence, Matrix employs a Agile stratgy of work with development operations being flexible to fit around specific or changing customer requirements.

## **2.2 Maintenance & Support**

The Water industry is a demanding one, inso far as it operates 24/7.

To Aid such operation, Matrix offer increased comperised maintence protocols and 24/7 support for all implementations aswell as an extensive method statement portofilio for each project which is delieved along with each implementation to aid on site maintence work to tackle common issues.

## **3 Upgrading & Adapting & Analysing**

As with most industires, the Water industry is everchanging.

To help improve systems, Matrix offers an integrating analysis platform with each product so that the customer can track quality management as per the international standards independantly of Matrix.

This aids the customer in planning upgrades and seeing where one would be benefical. With Computer APIs, rigourous documentation and build in extensibility, upgrades are easy to be do internally or from any external vendor.