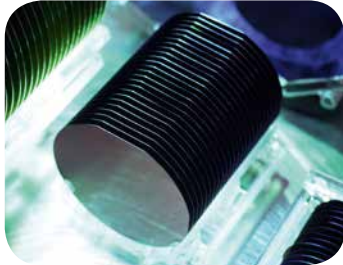


# Process Control Solutions

Arenal Process Control Solutions works with clients to increase the profitability of their plant by offering accurate, highly correlated real-time measuring data. We continuously work with process engineers to tune new monitoring and control solutions, monitoring networks and chemometry models into the clients process.

## Increasing measurement accuracy

Having the same objectives in mind, Arenal has an ongoing development program to increase measurement accuracy and control properties even further. The reason for this is that we can expect higher requirements for existing measurement technologies. An example is a recent development in the semiconductor industry, requiring more stability and sensitivity of our ultrasonic sonochemistry sensors for measuring  $H_2O_2$  in SC1. In this example, the production of better smart-phones is the key objective of our client.



Arenal strongly believes that process analysers with disadvantages like reagent use, nuclear issues, erosion, short lifetime, high cost etc. will be eliminated from the plant floor sooner or later. Therefore, Arenal invests mainly in physical property sensors, which have proven to be of very good quality.



Examples of replacing nuclear densitometers, process titrators or colorimeters can be found in many of our applications. A key purchasing argument for our services is that we make use of industrial PLC based analysers. The software

includes chemometry models to perform multi-variable analysis on multiple transmitters. This helps our clients to immediately connect to their DCS/Scada/PLC system and to control and optimise difficult process steps within no time.

## Arenal PCS B.V.

Boezemweg 23D  
NL-2641 KG Pijnacker  
The Netherlands  
info@arenal-pcs.com



Each Arenal product is designed, manufactured and delivered according to a stringent quality assurance program ISO9001 and tested at different production stages. After start-up and commission, the system will be monitored to assure product compliance to customer needs.



## Efficient Controller Systems and Reliable Analysers



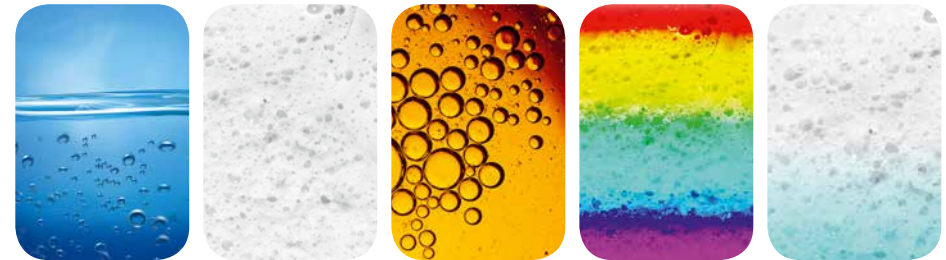
[www.arenal-pcs.com](http://www.arenal-pcs.com)



1. Click on your industry



2. Select the type of fluids of concern



3. Find the application

- Title
- [B000 – Hydrofluoric acid \(HF\)](#)
  - [B010 – Sodium hydroxide \(NaOH\)](#)
  - [B011 – Potassium hydroxide \(KOH\)](#)
  - [E004 – Oil Density Monitoring](#)
  - [S004 – Dredging Density Monitoring](#)
  - [S006 – Gold Mine Slurry Density Monitoring](#)
  - [S009 – Cement Slurry Density Monitoring](#)
  - [S026 – Magnetite Slurry Density Monitoring](#)
  - [W000 – Demineralized Water](#)
  - [W001 – Drinking Water Alarm Monitoring and Drinking Water Security](#)

4. How to mount the sensor



5. Product solution



Have a look on our website: [arenal-pcs.com](http://arenal-pcs.com)