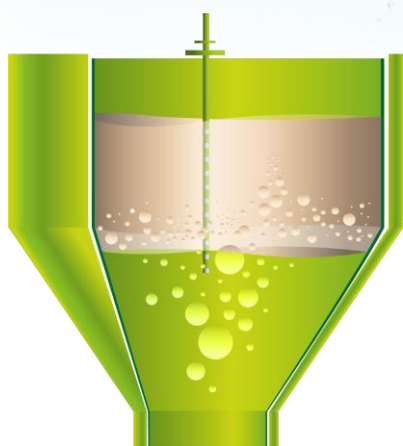


## Reliable solution for black liquor tank control

Black Liquor Watch is a black liquor tank control solution that ensures steady operation of a black liquor tank. It offers accurate, real-time information on black liquor – soap and soap – air interfaces without contamination problems.

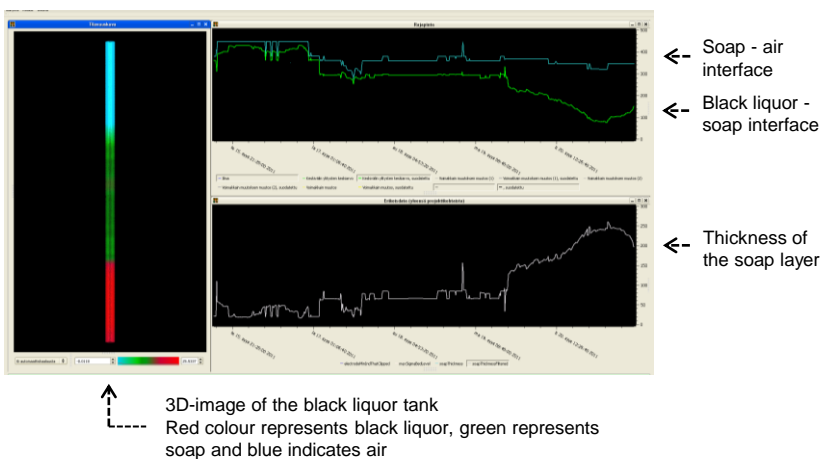


**Black Liquor Watch** uses Numcore's probe sensor, which is easy to install into the black liquor tank. Black Liquor Watch is a low-maintenance solution, because contamination does not disturb the probe's measuring operations.

### Case Study

A Finnish pulp mill needed a solution for accurate black liquor tank operation control.

Black Liquor Watch was chosen due to its ability to provide reliable information on black liquor – soap and soap – air interfaces online. This was found to be very helpful in black liquor tank control.



**Let Us Find  
a Solution for You!**

Call us: +358 400 287 383  
E-mail us: [info@numcore.com](mailto:info@numcore.com)  
More info: [www.numcore.com](http://www.numcore.com)

**Numcore Ltd**  
Microkatu 1, P.O. Box 1199  
70211 Kuopio, Finland

# Why Black Liquor Watch Benefits Your Business

## With Black Liquor Watch:

- Decrease operational costs and maximize soap yield
- Improve occupational safety
- Avoid environmental incidents

## Due to:

- Stabilizing black liquor tank operations and preventing fouling in evaporators
- Eliminating tank overflows and a need for manual interface measurement

## This is done by:

- Accurately monitoring the black liquor – soap and soap – air interfaces



**Typical Black Liquor Watch delivery includes:** probe sensor, control unit, and software

**Trial** – Based on industrial data, we know that Black Liquor Watch delivers real benefits. Test it yourself by using our trial service. Find out more at [www.numcore.com](http://www.numcore.com)

**Numcore Ltd** develops and markets innovative high-tech process control solutions based on 3D-imaging. The solutions are designed for mineral processing, food, chemical, and pulp & paper industries. Numcore merges the knowledge from the academic and the engineering worlds. Numcore is located in Kuopio, Finland



Note: This product uses software developed by Spread Concepts LLC for use in the Spread toolkit. For more information about Spread see [www.spread.com](http://www.spread.com)

[www.numcore.com](http://www.numcore.com)

**Numcore Ltd**  
Microkatu 1  
P.O. Box 1199  
70211 Kuopio, Finland

Contact:  
+358 400 287 383  
[info@numcore.com](mailto:info@numcore.com)