

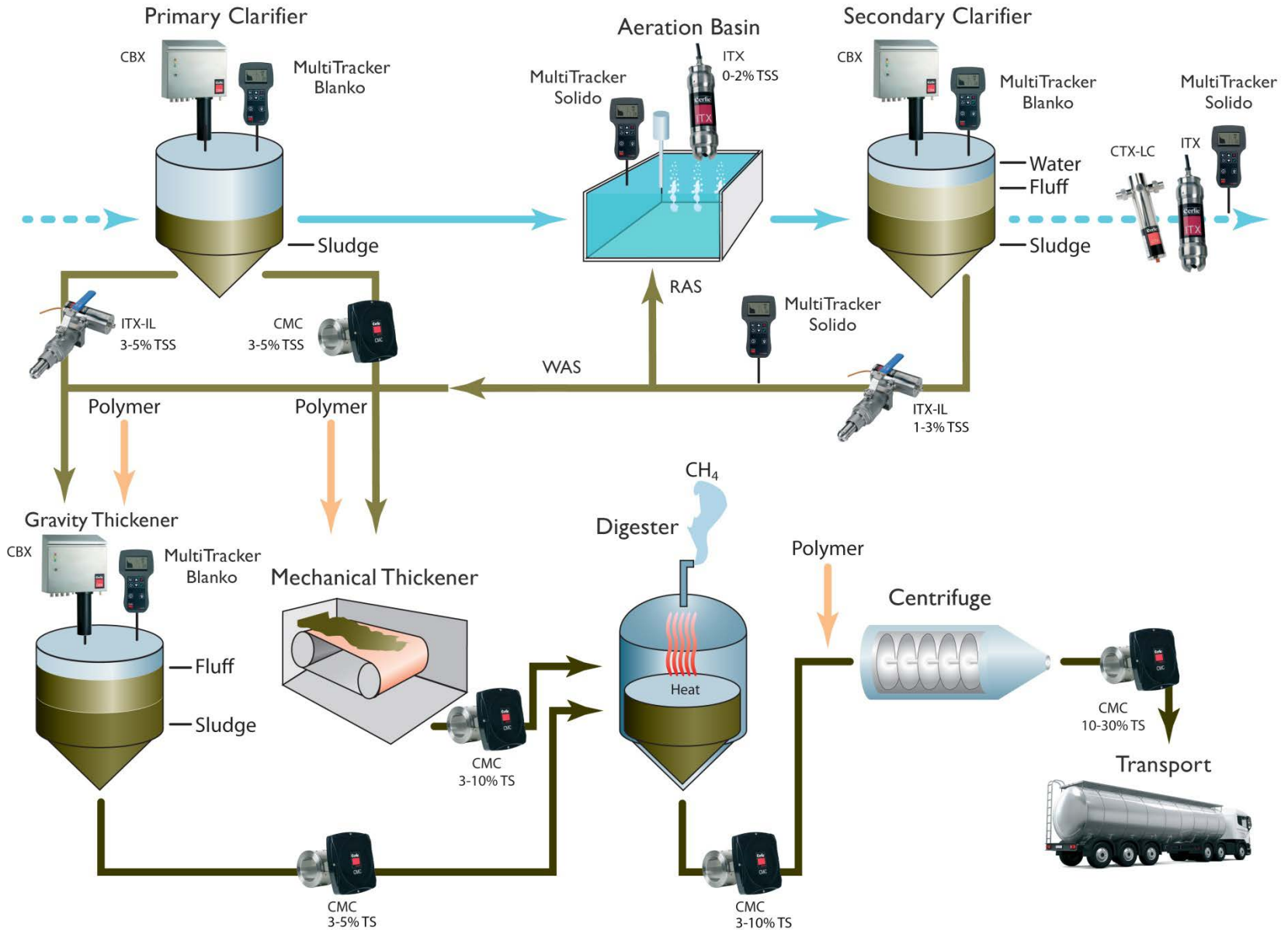


***Controlling***

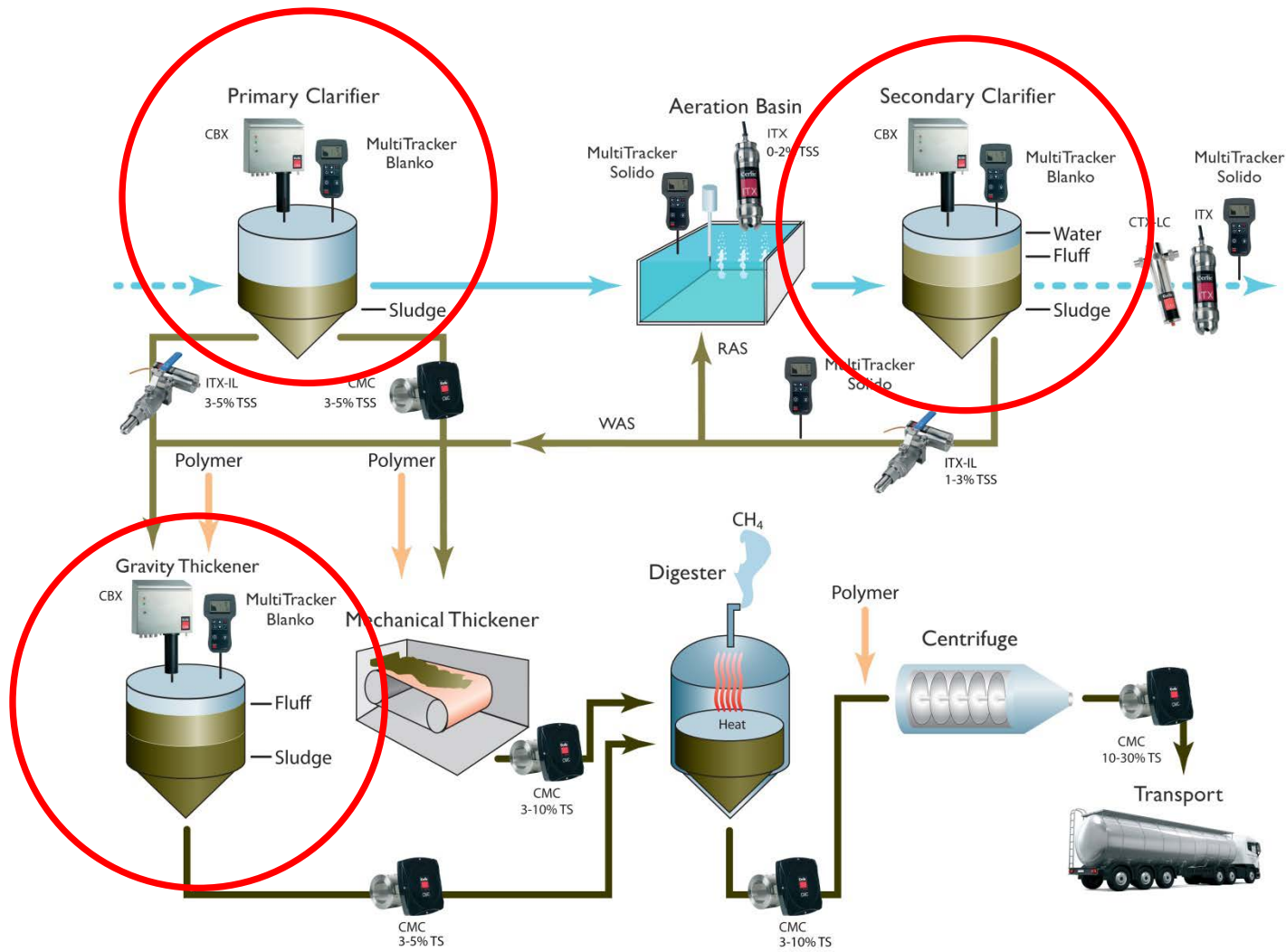
***Suspended***

***Solids...***

# Control your sludge handling processes...

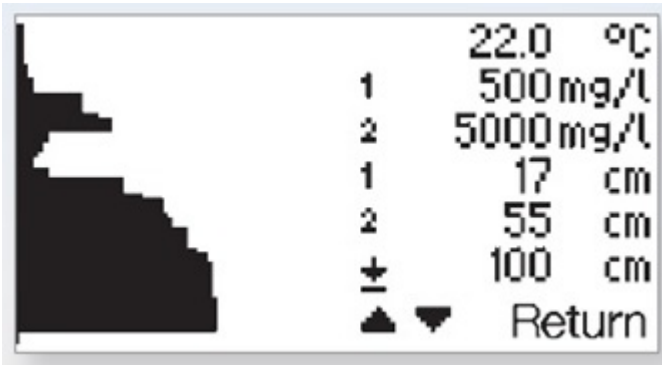


# Sedimentation processes... sludge blanket profile

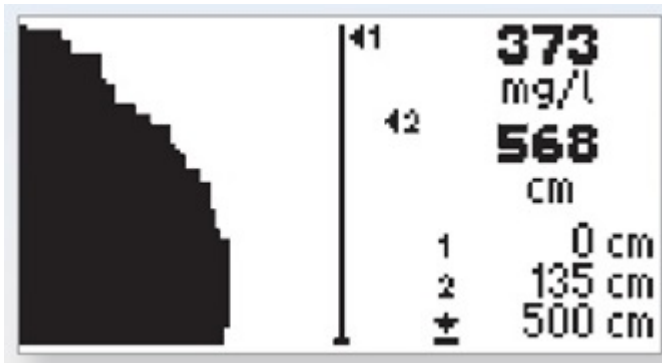


# Sedimentation processes... **WHY?**

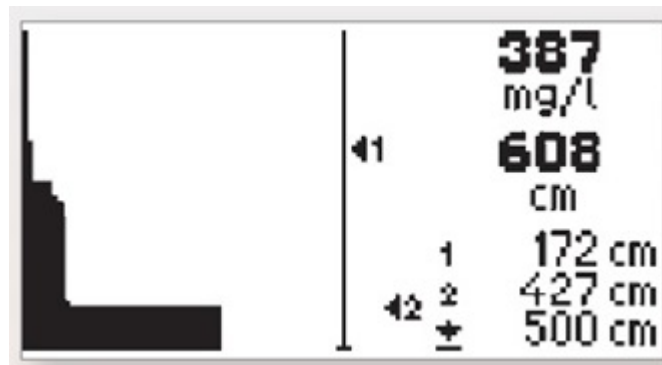
Floating layer



Rising fluff / sludge



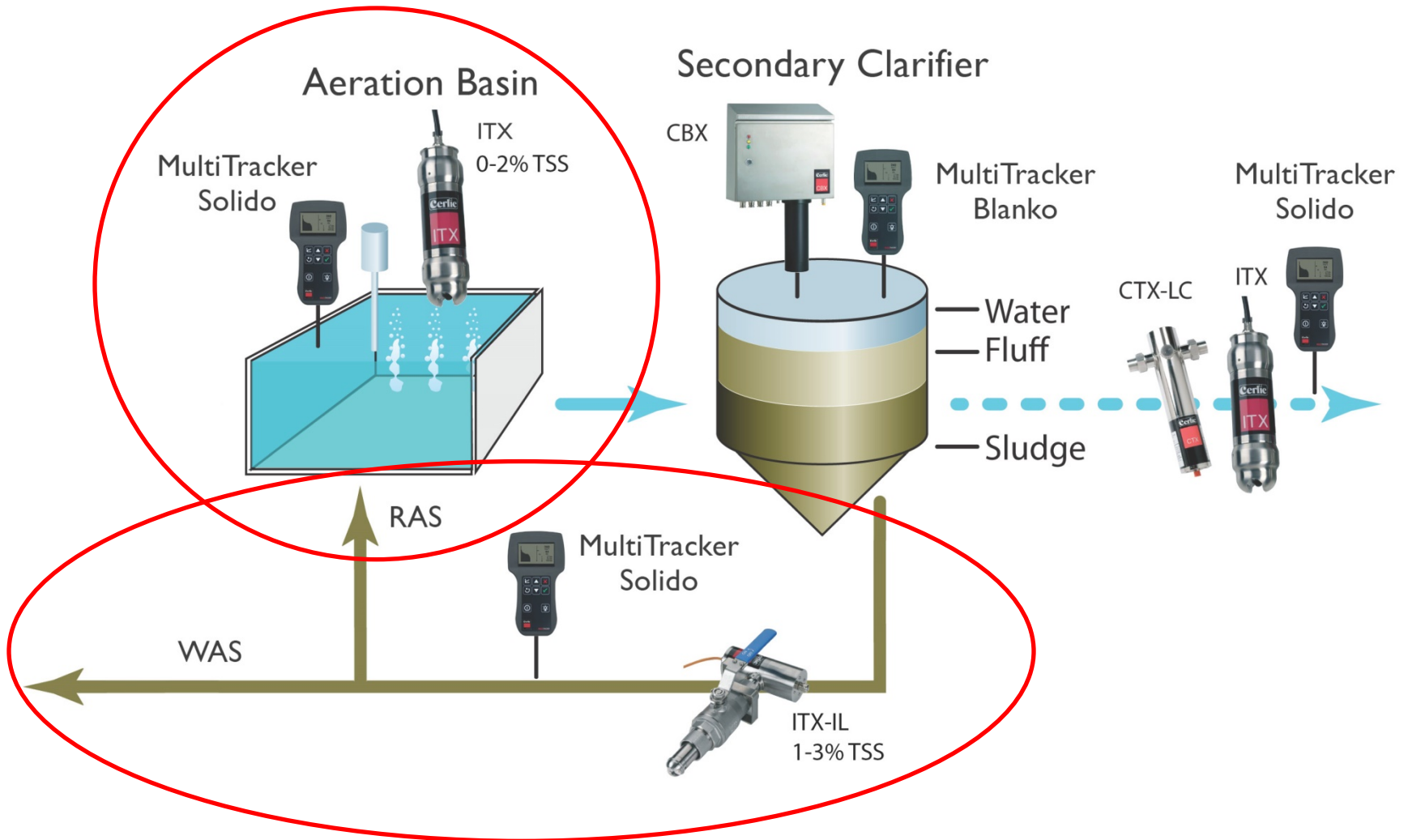
Well settled sludge



- 24hr, online monitoring
- **Prevent wash-outs** & clogging of filters
- Automate & **control pumps** to increase plant capacity
- Optimise **flocculant usage** for phosphate removal
- Maximise **thickening** of solids

# Activated sludge...

## MLSS, RAS & WAS



# Activated sludge... **WHY?**

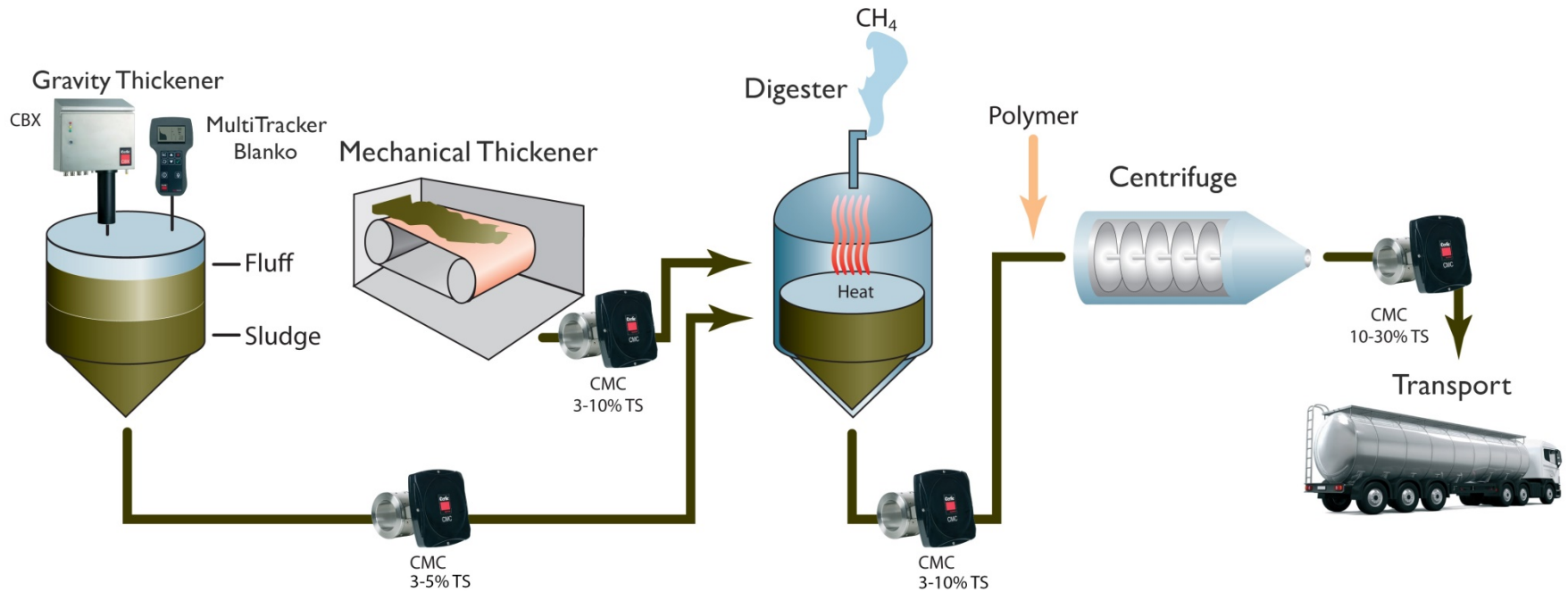


- Reduce **manual sampling** & the related costs (labour, consumables, external testing, etc)
- Automate wasting to manage **SRT Control** (sludge retention time)
- Increase plant **capacity**
- Improved **BOD, nitrogen & phosphate** removal
- 24hr, online monitoring of **diurnal flows**



# Dewatering...

## Biosolids & gas production



# Dewatering... **WHY?**



- Automate polymer usage to **save chemical cost**
- **Automate** belt press & centrifuge speeds
- Increase **gas production**
- Reduce sludge volume & **transport costs**
- 24hr, online monitoring