iCompost

The intelligent way to control your composting process

promotional video

KeyFeatures

User Interface
Modern Look&Feel
User can choose between graphical or tabular representation
Multi-screen enabled
Support for touch devices

Communication
Multi-threaded direct communication to any number of Network devices.
(No need to start multiple instances of the software any more) Support for any network based device can be implemented.

Compatibility
Currently implemented and tested Kompmaster Protocol versions: 4.0.6, 4.0.7, 4.0.8a, 6
Older versions can also be very easily implemented if needed
So older sites can be retrofitted

Background log download
Log download runs in background without interrupting user
=> Logs can be downloaded frequently and automatically

Oxygen teachin mode
The settings for oxygen mode will be automatically adjusted
The system runs self-acting over most parts of the rotting period

Database
Data is stored in SQL Database instead of scattered .csv-files
=> Easy long term analysis with standard tools
=> structured import into e.g. Excel
=> Standard backup/failover procedures can be applied

Troubleshooting
Built-in troubleshooting tools
Troubleshooting info is saved to files for remote/a-posteriori error analysis by UTV

Modular Software Architecture
Built for later extensions and custom modulation.

Access from Mobile Devices
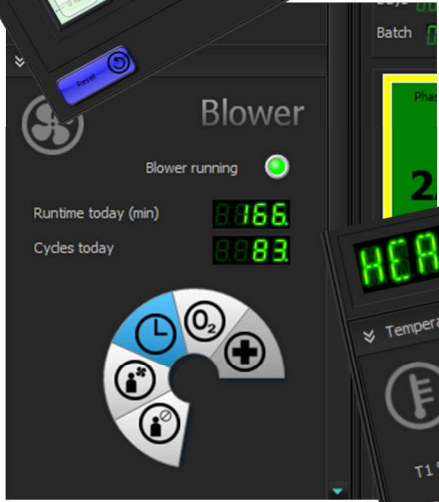Access from mobile browsers (e.g. iPhone/iPad)

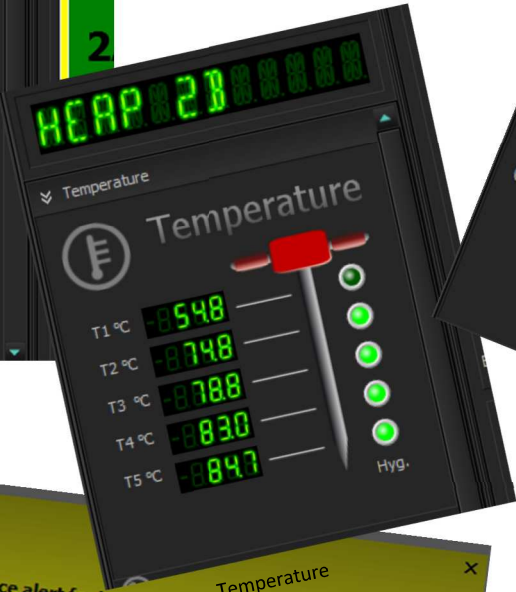### Training mode
Special mode with all functions to train users.

Facility Overview

Tabular Overview

Blower status

CUSTOM REPORT

Umweltpartner Vogel AG

Optional add-ons

Work Planning Module
Icompost creates a batch turning schedule
You can use it as operating log and print reports and staff schedules

User defined fields
Possibility to define adapted batch description fields
For example external Batch no's, mixture ratios or digester discharge.
These fields are structured saved in the SQL database and can be interpreted automatically

Import/Export of settings
Instrument settings of the icompmaster (thresholds, intervals etc.) can be exported as a file
These settings can be used as default values and can be uploaded to an icompmaster if needed

Plausibility Test
Warning message if Temp sensor is not full pushed down inside the heap
Warning message if the DC power supply is too low
Warning message if the pressure is too low

Alarm System
Email/SMS with serious error or warning messages

Restore finished Batch
To reactivate wrongly finished batches
Orphaned log values are automatically assigned

Forgery proof Protocols
Prints are marked with a QR-Code
These QR-Codes contain an encrypted partial checksum of the protocolled data.

Maturation Management
Possibility to add endless amount of "unmanaged" heappads and to create additional process phases.
An unmanaged heappad has no iCompmaster device and thus no sensors nor controllers, but nevertheless shows up in the software so batches on this heap can be tracked by iCompost.

Report-Designer
Additional Software included in icompost to create custom report templates including company Logo.

Report-Service
Reports can also be designed by the customer and UTV creates and deposits the templates in icompost.
expected time requirement is 2 hours per report.