Subject: Silos-master
Posted by Mindtraveller on Tue, 09 Aug 2011 22:24:13 GMT
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App was made for one of my customers. It is alive and upgraded monthly.

Silos-master is a kind of universal measuring system for industry. Uses a various set of sensors to determine an amount of product within the silos. Highly customizible options, different sensor types support (acoustic, rotor, tenso, etc.).
Supports work as distributed network of units: server, clients and operators.

Features include:
* solid U++ project consists of 9 custom packages
* heavily multithreaded using Mt and MtAlt, using sync object for queueing sensor requests
* "static driver" approach enables adding more sensors almost without changing common code (just register new sensor class).
* Adaptive "vector" interface elements made with Painter package (using gradients and antialiasing)
* Network mode; App can connect to itself from another IP-address using one of predefined roles; works as server, as a client or as a mixed unit (clent/server at the same time); using Web package heavily, especially HttpServer and HttpClient.
* Incremental network update mode is used for slow or irregular connections automatically (i.e. incremental logs synchronization between operator and server or), setting highest priority to synchronizing actual measured data, and lower priority for log sync
* Using modem/GSM connections, TCP/IP or RS-485 for network regardless of actual connection type; connections may be duplicated (as backup in case of primal connection failure).
Implemented with a number of custom packages.
* adapting GUI for touchscreen
* custom copy-protection wich doesn't use any Internet connection
* sqlite3 based log system
* supports fullscreen "easy-view" just using one additional small window class (very easy added)

Here's link to the site about Silos-master (sorry guys, currently in Russian).
Interface:
http://www.silos-master.ru/interface/
Silos-master network structure options:
http://www.silos-master.ru/system/

U++ rule!

Subject: Re: Silos-master
Posted by koldo on Wed, 10 Aug 2011 07:13:33 GMT
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Nice!

Subject: Re: Silos-master
Posted by tojocky on Fri, 12 Aug 2011 08:58:44 GMT
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Hello Pavel,

Very nice application.
Can you answer which method do you use to communication between server and client side?

Thank you in advance.
Ion.

Subject: Re: Silos-master
Posted by Mindtraveller on Fri, 12 Aug 2011 10:30:09 GMT
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Hello, Ion. For Web interaction I use HTTP protocol, for GSM/etc. I use custom protocols with error detection.

Subject: Re: Silos-master
Posted by mdelfede on Fri, 26 Aug 2011 10:00:48 GMT
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Hi,

just curious... which kind of copy protection ?
Platform independent too ?

Ciao

Max

Subject: Re: Silos-master
Posted by 281264 on Sun, 28 Aug 2011 11:51:58 GMT
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Congratulations; it is fine and interesting.

Some queries:

how is the installer tool?
What application do you use?

Best wishes,

Javier

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Subject: Re: Silos-master
Posted by Mindtraveller on Mon, 12 Sep 2011 11:48:01 GMT
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mdelfede wrote on Fri, 26 August 2011 14:00Hi,

just curious... which kind of copy protection ?
Platform independent too ?

Ciao

Max

Hello, Max

I use custom protection package. I can't rely on existing internet connection (industrial automation unit are commonly work in local networks disconnected from Internet).
Yes, it's cross platform.
It uses hardware data (acquired by Functions4U package).
Windows part "saves" to registry. POSIX parts "saves" to a file in user directory.
So it's not a kind of "hard" protection. It was not my initial intent to make professional-level protection.

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Subject: Re: Silos-master
Posted by lectus on Wed, 26 Dec 2012 01:40:48 GMT
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How did you draw these images?

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Subject: Re: Silos-master
Posted by Mindtraveller on Wed, 26 Dec 2012 07:29:08 GMT
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Actually versions 1 and 2 just drawn prerendered images.

Versions 3.x uses drawing with Upp::Painter which is scalable to ANY display resolution.

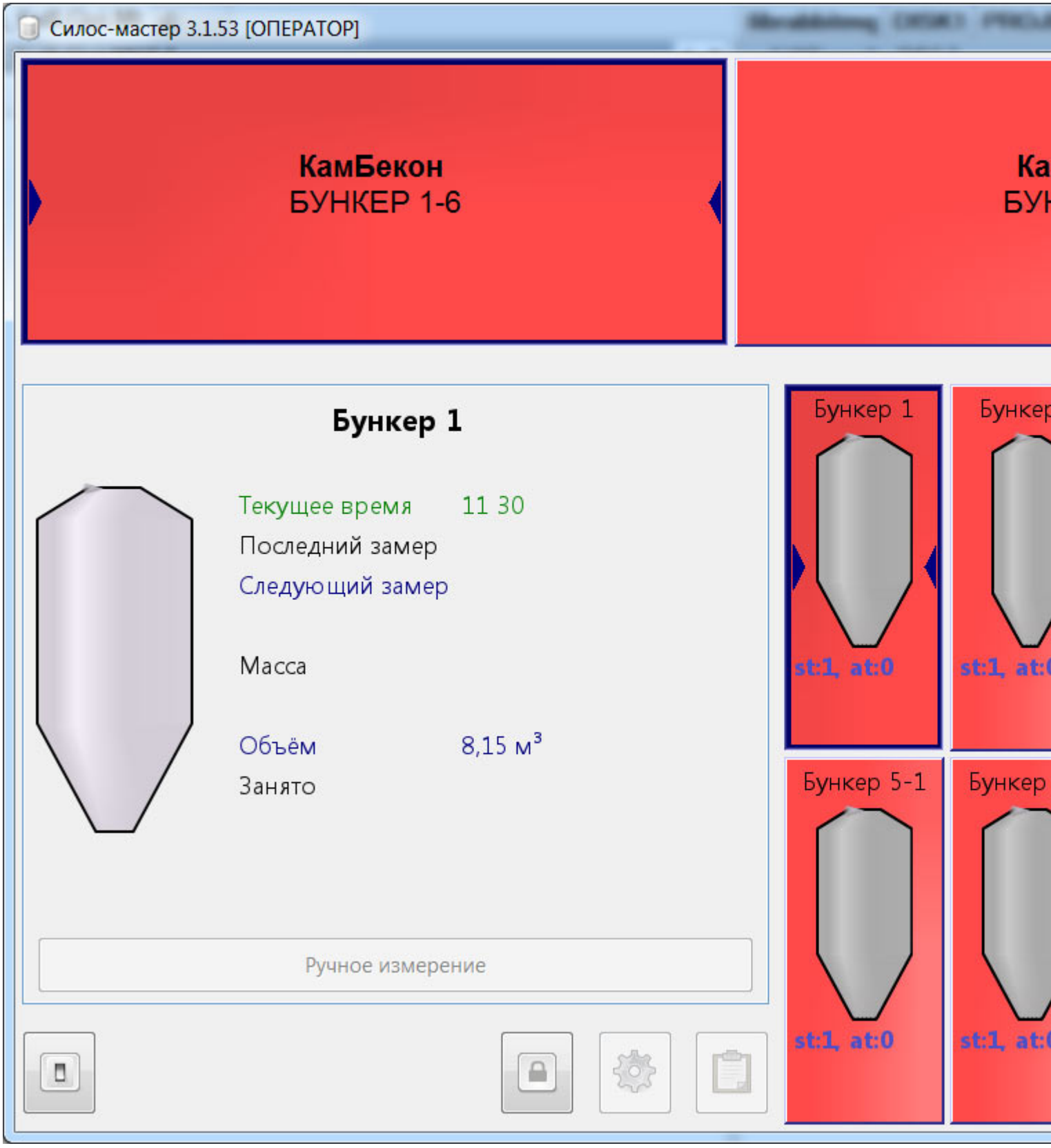
---

Subject: Re: Silos-master
Posted by Mindtraveller on Wed, 26 Dec 2012 07:34:30 GMT
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for small window:

## File Attachments

1) sm1.jpg, downloaded 1670 times




Subject: Re: Silos-master

Posted by Mindtraveller on Wed, 26 Dec 2012 07:36:10 GMT
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for large window:

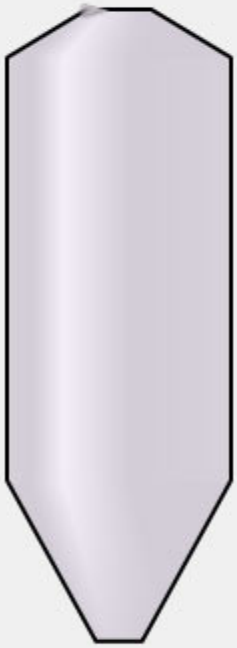
## File Attachments

1) sm2.jpg, downloaded 1766 times

Силос-мастер 3.1.53 [ОПЕРАТОР]

**КамБекон**
БУНКЕР 1-6

## Бункер 7-1



Текущее время 11:32
Последний замер
Следующий замер

Масса

Объём 17,45 м³
Занято

Ручное измерение

Бункер 7-1

