

# SMS GATEWAY GSM-CONTROL OBJECT FOR AVEVA™ SYSTEM PLATFORM



Wonderware Finland SMS Gateway GSM-Control Object (GSM-Control Object) is a AVEVA™ System Platform (formerly Wonderware) Application Server domain object created by using the Archestra Object Toolkit and used for 2-way remote control in automation and other applications using standard GSM modems and phones.

GSM-Control Object offers a low-cost and easy alternative for creating wireless control and monitoring applications for AVEVA™ System Platform environment. Implementation of GSM SMS (Short Message Service) technology secures reliable transmission even in the most error-sensitive applications.

The main task of GSM-Control Object is to work as a gateway between GSM environment at one side (interfacing with GSM environment by sending/receiving SMS messages) and AVEVA™ System Platform environment at another side:



The GSM-Control Object is installed, configured, deployed and running on System Platform environment, allowing other System Platform software to access to SMS data via GSM-Control Object attributes. The remote control is based on GSM SMS messaging two-direction communication, where the GSM-modem is connected to the computer's standard (RS-232) serial port (or to USB port via USB to serial port adapter) and GSM cellular phone (remote GSM phone) is used by remote operator(s). GSM-modem can be any GSM-modem supporting standard Short Message Service (SMS) AT commands (Hayes, TS 27.007 and 27.005), preferable models are Thales Cinterion® EGX81 Efficient IoT Gateway (RS232 variant), Thales's Cinterion® BGS2 Gateway (2G). Also the communication between two GSM-modems is supported, i.e. remote GSM-modems can be used instead of remote GSM phone.

The SMS messages received/sent from/to GSM-Control Object can contain the data values obtained from System Platform applications or new values for System Platform applications.

See more information about Wonderware Finland GSM-Control Object here:

<https://www.klinkmann.com/products/klinkmann/wireless-automation-software/gsm-control-object/>

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**KLINKMANN**



**FINLAND**  
info@klinkmann.fi  
www.wonderware.fi

**RUSSIA**  
info@wonderware.ru  
www.wonderware.ru

**ESTONIA**  
info@klinkmann.ee  
www.wonderware.ee

**BELARUS**  
info@wonderware.by  
www.wonderware.by

**LATVIA**  
info@klinkmann.lv  
www.wonderware.lv

**KAZAKHSTAN**  
sales@wonderware.kz  
www.wonderware.kz

**LITHUANIA**  
info@klinkmann.lt  
www.wonderware.lt

**UKRAINE**  
info@wonderware.com.ua  
www.wonderware.com.ua