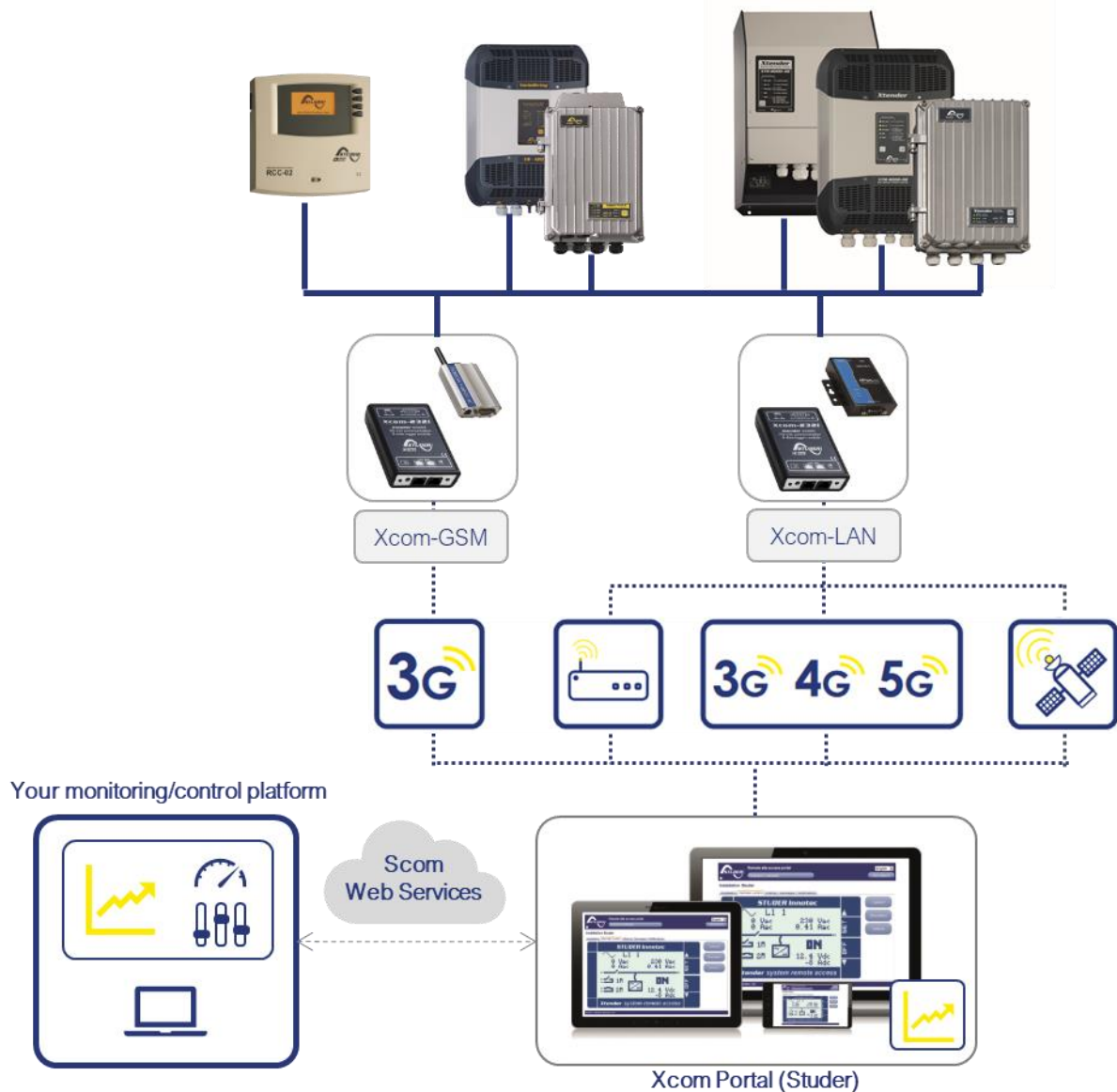


## Can I access my Xtender installation through web services?

The Scom Web Service is the Application Programming Interface (API) for easily integrating the data from your Xtender installation in your web-based platform.



The Scom webservice "<https://xcom.studer-innotec.com/scomwebservice.aspx>" is available with the following functions:

- 1) List of the installations registered by the client (GetInstallationList)
- 2) Messages from one installation (GetMessages)
- 3) Reading of one parameter (ReadParameter)
- 4) Reading of a real time information (ReadUserInfo)
- 5) Changing one parameter (WriteParameter)



## Technical Article

# Can I access my Xtender installation through web services?

The functions "GetDataLogValues" and "GetRemoteScreen" are not available. There is a "Datalog File Provider Service" available, further description could be provided upon request.

Please find below an example of request/response using the different functions available:

GetInstallationList	Return the list of installations registered by the client (id)
Request example: <a href="https://xcom.studer-innotec.com/scomwebservice.asmx/GetInstallationList?email=mymail@mydomain.com&amp;pwd=MyStrongPassword&amp;2&amp;InstallationNumber=000">https://xcom.studer-innotec.com/scomwebservice.asmx/GetInstallationList?email=mymail@mydomain.com&amp;pwd=MyStrongPassword&amp;2&amp;InstallationNumber=000</a>	
<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;InstallationInfoResult xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="https://xcom.studer-innotec.com/"&gt;   &lt;ErrorCode&gt;1&lt;/ErrorCode&gt;   &lt;ErrorMessage&gt;OK&lt;/ErrorMessage&gt;   &lt;InstallationList&gt;     &lt;InstallationInfo&gt;       &lt;Id&gt;202&lt;/Id&gt;       &lt;Name&gt;S/N - 00498 CYG/24/48 Hewden Hire &lt;/Name&gt;       &lt;Location /&gt;       &lt;Description&gt;CYG/24/48       Serial No. - 00498       Software - R564       Sim Card No. - {89462046041000864492} sim locator       &lt;/Description&gt;       &lt;Guid&gt;A0A05E86AC3748D68D6C3864477033A5&lt;/Guid&gt;       &lt;FirstDataPoint&gt;2014-11-13T00:00:00&lt;/FirstDataPoint&gt;       &lt;CreationDate xsi:nil="true" /&gt;       &lt;LastStatus&gt;1&lt;/LastStatus&gt;     &lt;/InstallationInfo&gt;     .....   &lt;/InstallationList&gt; &lt;/InstallationInfoResult&gt;</pre>	

GetMessages	Return the installation messages
Request example (from 01.01.2017 to 28.10.2018): <a href="https://xcom.studer-innotec.com/scomwebservice.asmx/GetMessages?email=mymail@mydomain.com&amp;pwd=MyStrongPassword&amp;InstallationNumber=000&amp;fromDate=01.01.2017&amp;toDate=10.28.2018">https://xcom.studer-innotec.com/scomwebservice.asmx/GetMessages?email=mymail@mydomain.com&amp;pwd=MyStrongPassword&amp;InstallationNumber=000&amp;fromDate=01.01.2017&amp;toDate=10.28.2018</a>	
<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;GetMessagesResult xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="https://xcom.studer-innotec.com/"&gt;   &lt;ErrorMessage&gt;OK&lt;/ErrorMessage&gt;   &lt;Messages&gt;     &lt;MessageResult&gt;       &lt;Date&gt;2017-02-11T15:51:41&lt;/Date&gt;       &lt;SrcAddress&gt;502&lt;/SrcAddress&gt;       &lt;SrcAddressText&gt;RCC2&lt;/SrcAddressText&gt;       &lt;MessageId&gt;90&lt;/MessageId&gt;       &lt;MessageEN&gt;Server connected&lt;/MessageEN&gt;       &lt;MessageFR&gt;Serveur connecté&lt;/MessageFR&gt;       &lt;MessageDE&gt;Server verbunden&lt;/MessageDE&gt;       &lt;MessageES&gt;Servidor conectado&lt;/MessageES&gt;       &lt;OptionalValue&gt;0&lt;/OptionalValue&gt;     &lt;/MessageResult&gt;     .....   &lt;/Messages&gt; &lt;/GetMessagesResult&gt;</pre>	



## Technical Article

# Can I access my Xtender installation through web services?

ReadParameter	Read the value of one parameter
<p>Request example – Read the parameter 6002 (Nominal discharge duration (C-rating)) from the BSP: <a href="https://xcom.studer-innotec.com/scomwebservice.aspx/ReadParameter?email=myemail@mydomain.com&amp;pwd=MyStrongPassword&amp;installationNumber=000&amp;device=BSP&amp;paramId=6002&amp;paramPart=Value">https://xcom.studer-innotec.com/scomwebservice.aspx/ReadParameter?email=myemail@mydomain.com&amp;pwd=MyStrongPassword&amp;installationNumber=000&amp;device=BSP&amp;paramId=6002&amp;paramPart=Value</a></p>	
<p>Variants:</p> <ul style="list-style-type: none"><li>• Device = XT1, XT2, ...VT1, ... RCC1, LocalXcom, ...</li><li>• paramPart = Value, or Minimum, or Maximum, or Level</li></ul>	
<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;ParameterResult xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="https://xcom.studer-innotec.com/"&gt;   &lt;UIntValue&gt;1101004800&lt;/UIntValue&gt;   &lt;FloatValue&gt;20&lt;/FloatValue&gt;   &lt;ErrorCode&gt;1&lt;/ErrorCode&gt;   &lt;ErrorMessage&gt;OK&lt;/ErrorMessage&gt; &lt;/ParameterResult&gt;</pre>	

ReadUserInfo	Read real time information of the system
<p>Request example – Read the BSP temperature (7029): <a href="https://xcom.studer-innotec.com/scomwebservice.aspx/ReadUserInfo?email=myemail@mydomain.com&amp;pwd=MyStrongPassword&amp;InstallationNumber=000&amp;device=BSP&amp;infol=7029">https://xcom.studer-innotec.com/scomwebservice.aspx/ReadUserInfo?email=myemail@mydomain.com&amp;pwd=MyStrongPassword&amp;InstallationNumber=000&amp;device=BSP&amp;infol=7029</a></p>	
<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;UserInfoResult xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="https://xcom.studer-innotec.com/"&gt;   &lt;UIntValue&gt;15614017&lt;/UIntValue&gt;   &lt;FloatValue&gt;29.78125&lt;/FloatValue&gt;   &lt;ErrorCode&gt;1&lt;/ErrorCode&gt;   &lt;ErrorMessage&gt;OK&lt;/ErrorMessage&gt; &lt;/UserInfoResult&gt;</pre>	

WriteParameter	Change the value of one parameter
<p>Request example – Change the language of the RCC (parameter 5000): <a href="https://xcom.studer-innotec.com/scomwebservice.aspx/WriteParameter?email=myemail@mydomain.com&amp;pwd=MyStrongPassword&amp;installationNumber=000&amp;device=RCC1&amp;paramId=5000&amp;paramPart=2&amp;userLevelCode=0">https://xcom.studer-innotec.com/scomwebservice.aspx/WriteParameter?email=myemail@mydomain.com&amp;pwd=MyStrongPassword&amp;installationNumber=000&amp;device=RCC1&amp;paramId=5000&amp;paramPart=2&amp;userLevelCode=0</a></p>	
<p>Variants:</p> <ul style="list-style-type: none"><li>• Device = XT1, XT2, ...VT1, ... RCC1, LocalXcom, ...</li><li>• paramPart = Value, or Minimum, or Maximum, or Level</li><li>• paramValue = desired value</li><li>• userLevelCode = user level for writing the parameter</li></ul>	
<pre>&lt;?xml version="1.0" encoding="utf-8"?&gt; &lt;WriteParameterResult xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="https://xcom.studer-innotec.com/"&gt;   &lt;ErrorCode&gt;Ok&lt;/ErrorCode&gt;   &lt;ErrorMessage&gt;OK&lt;/ErrorMessage&gt; &lt;/WriteParameterResult&gt;</pre>	