# Product Price List

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRH217011</td>
<td>Khronos Server and Local Client</td>
<td>AUD $ 9,000</td>
<td>each</td>
</tr>
<tr>
<td>KRH217021</td>
<td>Khronos Replay Clients</td>
<td>AUD $ 500</td>
<td>each</td>
</tr>
<tr>
<td>KRH217099</td>
<td>Khronos Annual Support</td>
<td>15% of list price</td>
<td></td>
</tr>
</tbody>
</table>

The following Schneider-Electric historian products are available to complement your Khronos installation.

- **VJHNS211011** - Citect / Vijeo Historian 150 point Server
  Includes 150 historian points, 1 historian CAL and 1 portal CAL and 12 months support
  AUD $ 3,781  each

- **VJHNS211012** - Citect / Vijeo Historian 500 point Server
  Includes 500 historian points, 1 historian CAL and 1 portal CAL and 12 months support
  AUD $ 4,970  each

- **VJHNS211013** - Citect / Vijeo Historian 1,500 point Server
  Includes 1,500 historian points, 1 historian CAL and 1 portal CAL and 12 months support
  AUD $ 8,876  each

- **VJHNS211014** - Citect / Vijeo Historian 5,000 point Server
  Includes 5,000 historian points, 1 historian CAL and 1 portal CAL and 12 months support
  AUD $ 13,837 each

- **VJHNS211015** - Citect / Vijeo Historian 15,000 point Server
  Includes 15,000 historian points, 1 historian CAL and 1 portal CAL and 12 months support
  AUD $ 26,594 each

- **VJHNS211016** - Citect / Vijeo Historian 50,000 point Server
  Includes 50,000 historian points, 1 historian CAL and 1 portal CAL and 12 months support
  AUD $ 45,501 each

- **VJHNS211045** - Citect / Vijeo Historian 100,000 point Server
  Includes 100,000 historian points, 1 historian CAL and 1 portal CAL and 12 months support
  AUD $ 62,921 each

**NOTES:**

1. All Schneider-Electric Historian products are supplied as resale products from Schneider-Electric (Australia). All product warranty and liability is provided by Schneider-Electric Pty Ltd.

2. Khronos requires a 3rd party historian data archive to source replay data from, and a 3rd party SCADA application to replay into. Currently Khronos supports the CitectHistorian, Vijeo Historian, CitecSCADA and Vijeo Citect platforms.
The following Schneider-Electric SCADA products are available to complement your Khronos installation.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Description</th>
<th>Price AUD</th>
</tr>
</thead>
<tbody>
<tr>
<td>VJCNS101100 - Citect / Vijeo SCADA - Time Limited version</td>
<td>Includes 42,000 points, and is limited to 15 minutes of replay activity at a time. Does not support automatic Alarm Acknowledgement.</td>
<td>- each</td>
</tr>
<tr>
<td>VJCNS101110 - Citect / Vijeo SCADA - 75 points</td>
<td>Includes 75 points on one SCADA node, and 12 months support</td>
<td>AUD $ 2,418 each</td>
</tr>
<tr>
<td>VJCNS101111 - Citect / Vijeo SCADA - 150 points</td>
<td>Includes 150 points on one SCADA node, and 12 months support</td>
<td>AUD $ 3,844 each</td>
</tr>
<tr>
<td>VJCNS101112 - Citect / Vijeo SCADA - 500 points</td>
<td>Includes 500 points on one SCADA node, and 12 months support</td>
<td>AUD $ 6,562 each</td>
</tr>
<tr>
<td>VJCNS101113 - Citect / Vijeo SCADA - 1,500 points</td>
<td>Includes 1,500 points on one SCADA node, and 12 months support</td>
<td>AUD $ 10,231 each</td>
</tr>
<tr>
<td>VJCNS101114 - Citect / Vijeo SCADA - 5,000 points</td>
<td>Includes 5,000 points on one SCADA node, and 12 months support</td>
<td>AUD $ 13,305 each</td>
</tr>
<tr>
<td>VJCNS101115 - Citect / Vijeo SCADA - 15,000 points</td>
<td>Includes 15,000 points on one SCADA node, and 12 months support</td>
<td>AUD $ 17,893 each</td>
</tr>
<tr>
<td>VJCNS101199 - Citect / Vijeo SCADA - Unlimited points</td>
<td>Includes Unlimited points on one SCADA node, and 12 months support</td>
<td>AUD $ 21,562 each</td>
</tr>
</tbody>
</table>

**NOTES:**

3. All Schneider-Electric SCADA products are supplied as resale products from Schneider-Electric (Australia). All product warranty and liability is provided by Schneider-Electric Pty Ltd.

4. Khronos relies on 3rd party SCADA products to display the retrieved historical data to perform its replay function. Currently Khronos supports the CitectSCADA and Vijeo Citect platforms, as well as any generic OPC DA compatible client product. SCADA conversion features are restricted to the Citect and Vijeo platforms only.

5. All prices shown include 12 months gold support from the date of purchase, with the exception of the Time Limited SCADA license

6. Khronos has been tested with CitectSCADA and Vijeo Citect versions 7.2 and 7.3

7. Khronos has been tested with CitectHistorian and Vijeo Historian versions 4.3 and 4.4
Purchasing Scenario 1 - Simulation and Testing

Scenario description:
Our company has a critical process that is very sensitive to changes. Each time we modify our PLC logic, or HMI interface, we want to test those changes very thoroughly before deploying them into the production system. Our production SCADA is licensed for 15,000 points and we already have CitectHistorian installed.

I want to use Khronos to replay historical events to allow us to trial changes and see what effect they have in our offline simulation environment. This will allow us to achieve strong validation of the changes prior to deploying them into production.

Scenario solution:
To meet your simulation objectives, you will require:

- 1 x CitectHistorian - 15,000 point server
- 1 x Khronos Server
- 1 x CitectSCADA - 15,000 point

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x CitectHistorian - 15,000 point server</td>
<td>Already installed</td>
</tr>
<tr>
<td>1 x Khronos Server</td>
<td>AUD $ 9,000</td>
</tr>
<tr>
<td>1 x CitectSCADA - 15,000 point</td>
<td>AUD $ 17,893</td>
</tr>
</tbody>
</table>

Total cost: AUD $ 26,893

In this scenario, you require one Khronos server to perform your replay operations, and a full, stand-alone SCADA server as it is expected that your testing scenarios will run for longer than the 15 minutes allowed with the time limited SCADA option.
Purchasing Scenario 2 - Operational Diagnostics

Scenario description:
I supply OEM systems to customers, and I keep getting warranty claims that I’m sure are not due to product failures of my equipment. I want to be able to review what happened on the customer’s site and verify the operation and behaviour of my equipment prior to a reported incident. I also want to verify that appropriate alarms and warnings were raised to the operators prior to the incident.

The systems I sell range from 200 points to 400 points in size.

Scenario solution:
To meet your diagnostics objectives, you will require:

1 x CitectHistorian - 500 point server at each site  AUD $ 4,970  each
1 x Khronos Server  AUD $ 9,000
1 x CitectSCADA - Time Limited version  AUD $ -

Total cost:  AUD $ 13,970

In this scenario you only require one Khronos server, even though each customer will have their own historian, because you switch Khronos to use an alternative historian source each time you run a replay operation. This allows you to replay different customer histories at different times from the one Khronos installation.

You will need a separate historian on each customer’s site to capture the data for replay purposes.

You can use the time limited version of the SCADA because you are only running short diagnostic periods, and do not need to use the automatic alarm acknowledgement feature.
Purchasing Scenario 3 - Training Environment

Scenario description:

I am setting up a training facility to allow new operators to be inducted into our plant control operations. I want to use Khronos Replay to supply real production data to the training computers so that operators can experience real-world scenarios and events.

I will also use this facility to re-train operators who have failed to identify key warnings resulting in unwanted and costly incidents. This will allow me to continually improve my operators skill sets and abilities.

I have eight training computers to set up, as well as one main computer that I use, and which is attached to the projector. Our CitectSCADA project is licensed for 15,000 points, but we only use 4,500 points. We will store all of these points in our CitectHistorian.

At each training session, I want to be able to bring the latest HMI/SCADA configuration into the training environment, and quickly setup the training facility for the day’s classroom. The training computers will acquire historical production data from the production historian, and replay it on the training computers.

I will ask the students to initialise and play their Khronos Replay system at specific historical times to demonstrate various production scenarios. Our training scenarios typically last less than fifteen minutes each.

Scenario solution:

To meet your training facility objectives, you will require:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Price</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x CitectHistorian - 5,000 point server</td>
<td>1</td>
<td>AUD $</td>
<td>13,837</td>
</tr>
<tr>
<td>1 x Khronos Server</td>
<td>1</td>
<td>AUD $</td>
<td>9,000</td>
</tr>
<tr>
<td>8 x Khronos Replay Clients</td>
<td>8</td>
<td>AUD $</td>
<td>4,000</td>
</tr>
<tr>
<td>8 x CitectSCADA - Time Limited versions</td>
<td>8</td>
<td>AUD $</td>
<td>-</td>
</tr>
</tbody>
</table>

Total cost: AUD $ 26,837

In this scenario you require an historian server to collect the production data ready for training exercises. This historian can be sized for the number of SCADA tags you actually have, rather than the license size of your SCADA system.

You require one Khronos server and eight Khronos replay clients and corresponding SCADA nodes to fit out your training facility.

You can use the time limited version of the SCADA for your training clients because you are only running short training exercises, and do not need to use the automatic alarm acknowledgement feature.