

Web-enabled Power & Control
Transparent
Ready™

Presentation

The Vijeo Citect offer is characterized by its flexibility, allowing customers to build the supervision solution that corresponds to their needs.

Vijeo Citect features and power makes it suitable for any application in any market, in most demanding fields:

■ Energy and Infrastructure:

- Airports,
- Roads & tunnels,
- Water,
- Oil & Gas.

■ Industry:

- Mining,
- Metal,
- Minerals.

The very flexible architecture in Vijeo Citect software and applications make the investment are always scalable, and durable.

From small stand-alone system, to large distributed redundant multiple network systems, only one single development tool needs to be used: this dramatically reduces training and knowledge management costs, optimizing the investments.

As Vijeo Citect is perfectly aligned with Schneider Electric's control/HMI/SCADA offer development strategy, designers and users take full benefit from single accountability with Schneider Electric for system integration and performance.

Server licences

Vijeo Citect exists:

- in a **Client-Server** architecture, ranging from 150 Points to an unlimited number of Points
- in a **stand-alone** version called **Vijeo Citect Lite** that can manage up to 500 Points, see page 36375/7.

Each Server license includes a **Server Client** and **OFS**. OFS stands for "OPC Factory Server" from Schneider Electric. Based on the OLE for Process Control (OPC) standard, OFS software allows a "client", such as a Vijeo Citect SCADA application, to access any data in Schneider Electric control systems and electrical distribution devices connected to networks or fieldbuses, in real time. It also allows communication with third-party devices supporting Modbus and Modbus TCP protocols.

At the heart of the Transparent Ready offer, OFS enables simpler, more open and transparent communication between your software applications and your devices. These are just some of the advantages that ensure a complete interoperability solution that is central to your process.

Server licenses VJC 1011 ●● are purchased by number of Points that are required to be displayed, not I/O (1). An upgrade offer VJC 1●●● 1● ●● is available for expanding Client and Server licenses to the next Points Count. (2)

(1) Vijeo Citect counts all the variables exchanged with external devices like PLCs.

(2) If the Server or Client is upgraded, the keys must be reprogrammed.

Client licences

Client licenses are generally purchased using the same Points Count as the Server to which they are connected. Four types of Clients are available:

- **Control Clients**, VJC 1020 ●●: used by operators accessing the Vijeo Citect Server thru a local connection.
- **View Clients**, VJC 1030 ●●: for user who do not need to perform any control, but who need to get a display of the Vijeo Citect application thru local connection.
- **Web Control Clients**, VJC 1022 ●●: similar as Control Clients, thru a Web connection
- **Web View Clients**, VJC 1032 ●●: similar as View Clients, thru the Web.

Static, Floating and Redondancy Client licences

Depending on the needs, the licence may be for a Static, a Floating, or a Redondancy Client.

- **Static Client licences**: Operators must have access to the control system at any time, whatever the number of Clients currently connected to the Server is. Static Client licenses ensure access to the control systems as they reside in their own physical key plugged into the operators's Client PC.
- **Floating Client licences**: Users who do not need to use the Client all the time may purchase Floating licenses. The software can be loaded on many different PCs, but connections will only be allowed up until the number purchased has been reached. Floating Client licenses are stored on the Server key.
- **Redundancy Client licences**: Redundancy Client licenses VJC 10●● 88 are only available for the Standby Server in a Redundant configuration and are used to ensure the user always has the number of Clients available that he has purchased.

Development workshop

Development workshop VJC 1099 ●2 is required for delivery of the physical components that make up an order such as the CD, hardware key, installation guide and packaging box.

Operating rules are:

- Each Server requires a hardware key (USB or parallel) in order to operate.
- The Server key is also used to store Floating Client licenses.
- The key controls the number of Points that can be viewed.
- The key is programmed to operate on up to a particular version.

Promotional and Evaluation License

A Promotional License VJC 1095 ●● is available with the Development workshop. It is dedicated for education and demo/trial purpose.

An Evaluation License allows the user to develop his application, and test it for 10 minutes in online mode. This system runs in standalone only.

One year Service Package

Purchase of Server and Client licenses presented before includes access to technical support, software patches and updates for a period of one year.

A one year Service Package offer VJC 1091 01 called Vijeo Citect GOLD Support is accessible from the second year of use of the software. It includes technical support, patches and updates.



Single-station architecture

Architectures

Single station, stand-alone 5000 Points SCADA

Development workshop

1 x VJC 1099 22, physical delivery of the CD with USB key.

Server license

1 x VJC 1011 14, Server license with 5000 Points, Server Client included.

Client license

Not needed as included in the Server license.



Single-server architecture with Web View access

Remote Server System with remote Web View access

Development workshop

1 x VJC 1099 22, physical delivery of the CD with USB key.

Server license

1 x VJC 1011 15, Server license with 15000 Points, Server Client included.

Client license

1 x VJC 1032 15, Web View Client license with 15000 Points.



Single-server architecture with 1 Web Control Client and 1 Web View Client

Networked Server System with remote Web Clients

Example : Networked Server System, 500 Points, with 2 remote Clients via the Web: one Web Control and one Web View.

Development workshop

1 x VJC 1099 22, physical delivery of the CD with USB key.

Server license

1 x VJC 1011 12, Server license with 500 Points, Server Client included.

Client licenses

1 x VJC 1022 12, Web Control Client license with 500 Points.

1 x VJC 1032 12, Web View Client license with 500 Points.



Single-server architecture with 2 Floating Control Client licenses and 1 Static license

Networked Server System with Floating and Static accesses

Example : Networked Server System, 5000 Points, with 5 Client PC and 3 Client licenses, 2 Floating licenses and 1 Static license.

Development workshop

1 x VJC 1099 22, physical delivery of the CD with USB key.
1 x VJC 1099 21, additional USB key for Static Client.

Server license

1 x VJC 1011 14, Server license with 5000 Points, Server Client included (Client local on the Server PC).

Client licenses

3 x VJC 1020 14, Control Client licenses with 5000 Points.



Redundant architecture with 2 Control Clients on Servers and 2 Web View Clients

Redundant Server with Server Control Clients and Web View Clients

Example : Redundant Server, 1500 Points, with 2 Server (Control) Clients and 2 Web View Clients

Development workshop

1 x VJC 1099 22, physical delivery of the CD with USB key: Primary Server key.
1 x VJC 1099 21, additional USB key for Standby Server key (Rule: 1 key per Server).

Server license

2 x VJC 1011 13, Server licenses with 1500 Points, Server Client included.

- The first Server acts as the Primary Server.
- The second Server acts as the Standby Server.
- One license will be placed on each key, Primary and Standby.

Client licenses

2 x VJC 1032 13, Web View Client licenses with 1500 Points.
 These two licenses will be placed on Primary Server key.

Redundant Client license

2 x VJC 1032 88, Redundant Web View Client license
 Redundant Floating licenses for Web View Client licenses.
 These two licenses will be placed on the Standby Server key.

Development workshop. Vijeo Citect Boxes and keys

Vijeo Citect Box VJC 1099 ●2 includes

- 1 CD with Vijeo Citect V6.1 including OFS V3.3 and Fastlinx
- Schneider Electric drivers pack V2.3
- An installation guide
- An hardware key

Additional keys are shipped in the Vijeo Citect Box

Development workshop. Vijeo Citect Boxes

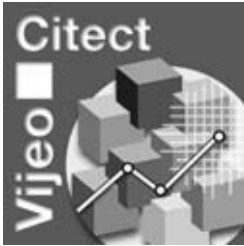
Designation	Type key included	Reference	Weight kg
Vijeo Citect Box USB key	USB	VJC 1099 22	0.410
Vijeo Citect Box Parallel key	Parallel	VJC 1099 12	0.420

Additional Vijeo Citect keys

Designation	Target licenses	Reference	Weight kg
Additional Vijeo Citect USB key Shipped in the Vijeo Citect Box.	Redundant Server and Static (non-floating) licenses.	VJC 1099 21	–
Additional Vijeo Citect Parallel key Shipped in the Vijeo Citect Box	Redundant Server, Static (non-floating) and demonstration licenses.	VJC 1099 11	–

HMI softwares and Web servers

Vijeo Citect supervisory software



Vijeo Citect Lite, stand-alone

Vijeo Citect Lite stand-alone licenses, for a maximum of 500 Points, include:

- 1 CD with Vijeo Citect V6.1 including OFS V3.3 and Fastlinx
- Schneider Electric drivers pack V2.3
- An installation guide
- An hardware key

Simple solution for stand-alone applications, Vijeo Citect Lite licenses cannot connect to any third party software or Client stations. Further they cannot be made redundant.

Vijeo Citect Lite licenses can be upgraded to full Vijeo Citect licenses (1).

Vijeo Citect Lite License

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Lite Stand-alone: no connectivity, no networking Key must be ordered separately.	500	VJC 3111 12	–

Vijeo Citect Server

Vijeo Citect Servers licenses, segmented by number of Points, include:

- 1 CD with Vijeo Citect V6.1 including OFS V3.3 and Fastlinx
- Schneider Electric drivers pack V2.3
- An installation guide
- An hardware key

Redundant systems

For Redundant systems simply purchase a quantity of 2. No other option is required. The programmed key (USB or parallel) needs to be ordered separately

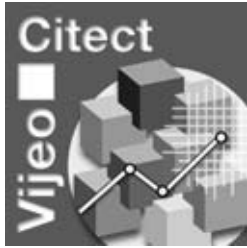
Vijeo Citect Server License

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Server	150	VJC 1011 11	–
Full version.	500	VJC 1011 12	–
Key must be ordered separately.	1500	VJC 1011 13	–
	5000	VJC 1011 14	–
	15000	VJC 1011 15	–
	Unlimited	VJC 1011 99	–

(1) Requires reprogramming of the key with VJC 1094 00.

HMI softwares and Web servers

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Vijeo Citect Control Client

Vijeo Citect Control Clients (“Display” Clients) are recommended for operators. These Clients are licensed by the number of Points that are displayed and can use either:

- a Floating license, residing on the Server key,
- a Static license: separate key on the Client PC.

Redundant system

- The number of Floating Clients ordered will be added to the Primary Server key.
- For the Standby Server order, the same number of Control Client Redundant Licences, VJC 1020 88, must be ordered.

Vijeo Citect Control Client License

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Control Client	150	VJC 1020 11	–
	500	VJC 1020 12	–
	1500	VJC 1020 13	–
	5000	VJC 1020 14	–
	15000	VJC 1020 15	–
	Unlimited	VJC 1020 99	–

Designation	Description	Reference	Weight kg
Vijeo Citect Control Client Redundant License	Floating license only	VJC 1020 88	–

Vijeo Citect View Client

Vijeo Citect View Clients (“Manager” Clients) are available for users that do not need to perform any control and are therefore usually used by Managers. These Clients are licensed by the number of Points that are displayed and can use either a floating licenses (i.e. the licenses reside on the Server key) or a static license (separate key on the Client)

Redundant system

- The number of Floating Clients ordered will be added to the Primary Server key.
- For the Standby Server order, the same number of View Client Redundant Licences VJC 1030 88 must be ordered.

Vijeo Citect View Client License

Designation	Number of Points	Reference	Weight kg
Vijeo Citect View Client	150	VJC 1030 11	–
	500	VJC 1030 12	–
	1500	VJC 1030 13	–
	5000	VJC 1030 14	–
	15000	VJC 1030 15	–
	Unlimited	VJC 1030 99	–

Designation	Description	Reference	Weight kg
Vijeo Citect View Client Redundant License	Floating license only	VJC 1030 88	–

HMI softwares and Web servers

Vijeo Citect supervisory software

Vijeo Citect Web Control Client

Vijeo Citect Web Control Clients ("Web Display" Clients) are available for users that need full control but prefer the flexibility of access through Internet Explorer. These Clients are licensed by the number of Points that are displayed and must use Floating Licenses (residing on the Server key).

Redundant system

- The number of Floating Clients ordered will be added to the Primary Server key.
- For the Standby Server order, the same number of Web Control Client Redundant Licences VJC 1022 88 must be ordered.

Vijeo Citect Web Control Client License

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Web Control Client	150	VJC 1022 11	–
	500	VJC 1022 12	–
	1500	VJC 1022 13	–
	5000	VJC 1022 14	–
	15000	VJC 1022 15	–
	Unlimited	VJC 1022 99	–

Designation	Description	Reference	Weight kg
Vijeo Citect Web Control Client Redundant License	Floating license only	VJC 1022 88	–

Vijeo Citect Web View Client

Vijeo Citect Web View Clients ("Web Manager" Clients) are available for users that do not need to perform any control and are therefore usually used by Managers. These Clients are licensed by the number of Points that are displayed and must use floating licenses (i.e. the licenses reside on the Server key)

Redundant system

- The number of Floating Clients ordered will be added to the Primary Server key.
- For the Standby Server order, the same number of View Client Redundant Licence VJC 1032 88 must be ordered.

Vijeo Citect Web View Client License

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Web View Client	150	VJC 1032 11	–
	500	VJC 1032 12	–
	1500	VJC 1032 13	–
	5000	VJC 1032 14	–
	15000	VJC 1032 15	–
	Unlimited	VJC 1032 99	–

Designation	Description	Reference	Weight kg
Vijeo Citect Web View Client Redundant License	Floating license only	VJC 1032 88	–

HMI softwares and Web servers

Vijeo Citect supervisory software

Server upgrade

These part numbers must be used to expand the number of Points on the Server.

Vijeo Citect Server upgrade (1)

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Server Upgrade	150 to 500	VJC 1011 11-12	–
	500 to 1500	VJC 1011 12-13	–
	1500 to 5000	VJC 1011 13-14	–
	5000 to 15000	VJC 1011 14-15	–
	5000 to unlimited	VJC 1011 15-99	–

Control Client upgrade

These part numbers must be used to expand the number of Points on the

- Server that contains the hardware key, for floating licenses.
- Client that contains a hardware key, for static licenses..

Vijeo Citect Control Client upgrade (1)

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Control Client Upgrade	150 to 500	VJC 1020 11-12	–
	500 to 1500	VJC 1020 12-13	–
	1500 to 5000	VJC 1020 13-14	–
	5000 to 15000	VJC 1020 14-15	–
	5000 to unlimited	VJC 1020 15-99	–

View Client upgrade

These part numbers must be used to expand the number of Points on the

- Server that contains the hardware key, for floating licenses.
- Client that contains a hardware key, for static licenses..

Vijeo Citect View Client upgrade (1)

Designation	Number of Points	Reference	Weight kg
Vijeo Citect View Client Upgrade	150 to 500	VJC 1030 11-12	–
	500 to 1500	VJC 1030 12-13	–
	1500 to 5000	VJC 1030 13-14	–
	5000 to 15000	VJC 1030 14-15	–
	5000 to unlimited	VJC 1030 15-99	–

Web Control Client upgrade

These part numbers must be used to expand the number of Points on the Server that contains the hardware key..

Vijeo Citect Web Control Client upgrade (1)

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Web Control Client Upgrade	150 to 500	VJC 1022 11-12	–
	500 to 1500	VJC 1022 12-13	–
	1500 to 5000	VJC 1022 13-14	–
	5000 to 15000	VJC 1022 14-15	–
	5000 to unlimited	VJC 1022 15-99	–

Web View Client upgrade

These part numbers must be used to expand the number of Points on the Server that contains the hardware key..

Vijeo Citect Web View Client upgrade (1)

Designation	Number of Points	Reference	Weight kg
Vijeo Citect Web View Client Upgrade	150 to 500	VJC 1032 11-12	–
	500 to 1500	VJC 1032 12-13	–
	1500 to 5000	VJC 1032 13-14	–
	5000 to 15000	VJC 1032 14-15	–
	5000 to unlimited	VJC 1032 15-99	–

(1) A re-programming fee VJC 1094 00 is applicable for every key upgrade

HMI softwares and Web servers

Vijeo Citect supervisory software

Vijeo Citect Specialty Drivers

The Vijeo Citect offer includes a very large number of drivers as standard. Because of intellectual property and associated rights, some have a special reference and must be ordered separately.

Purchase of Specialty Driver includes access to technical support for a period of one year.

Vijeo Citect Specialty Drivers

Designation	Protocol	Reference	Weight kg
Vijeo Citect Specialty Driver	IEC 60870-5-101	VJC 1072 21	–
	PSDirect ETH	VJC 3051 40	–
	PSDirect MPI	VJC 3051 42	–
	DNPr	VJC 3051 43	–
	Bailey	VJC 3051 44	–
	SEMAPI	VJC 3051 48	–
	MOSCAD	VJC 3051 49	–

Note: Please contact our local Schneider Electric representative prior to ordering Vijeo Citect Specialty Driver.

Vijeo Citect Upgrades - Key reprogramming

Every time a key is reprogrammed a reprogramming fee is charged.

Examples of when this fee is applied include:

- Point Count expansions
- adding Clients
- upgrading from Vijeo Citect Lite to a full Vijeo Citect license
- swapping a Parallel key to a USB one.

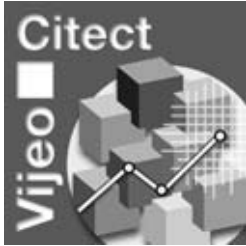
Note: If a new key is required then you need to purchase an Additional Vijeo Citect key, see page 36375/3.

Vijeo Citect Key reprogramming

Designation	Reference	Weight kg
Vijeo Citect Key reprogramming	VJC 1094 00	–

HMI softwares and Web servers

Vijeo Citect supervisory software



Vijeo Citect Support

From the second year of ownership of one or more Vijeo Citect licenses, Vijeo Citect Support enables the user to benefit from full support for the installed base. This service offer includes:

- Priority access to the product knowledge base and to expert conferences,
- Personalized access via the Vijeo Citect Web Server in order to download,
- All updates to the latest versions.

Vijeo Citect Support

Designation	Description	Reference	Weight kg
Support	For Vijeo Citect	VJC 1091 01	–
	For Specialty Drivers	VJC 1091 01D3	–

Vijeo Citect Loan and Educational key

Designation	Description	Reference	Weight kg
Vijeo Citect Loan key USB key only (1)	Provides temporary access to a key (2). Allows 8 days of continuous use. The hardware key is due for return at the end of the loan period.	VJC 1095 03	–
Vijeo Citect Educational USB key administration fee (3)	Available to educational institutions for the purpose of teaching students about Process Control. Allows 8 hours of continuous use. Includes 12 months GOLD support.	VJC 1095 01	–

(1) Need also to order an "Additional USB key" VJC 1099 21.

(2) The quantity to be ordered is the number of months for the loan duration.

(3) Need also to order a "Vijeo Citect Box with USB key" VJC 1099 22

HMI softwares and Web servers

Vijeo Citect supervisory software



Vijeo Citect-Magelis Compact iPC Bundle ▲

The Vijeo Citect-Magelis Compact iPC bundle MPC KT55 NAX 00V is a complete ready-to-start solution that associates the power of a 1500 Points Vijeo Citect SCADA with a rugged industry-proven Magelis Compact iPC.

The bundle comprises :

- Vijeo Citect 1500 Points Run Time (VJC 1099 22 plus VJC 1011 13)
- Magelis Compact iPC with: (1)
 - 15" XGA touch-screen display,
 - Pentium 4M 1.7 GHz,
 - 512 MB RAM,
 - 40 GB HDD,
 - Ethernet 10/100 Base-T,
 - 1 x PCI expansion slot,
 - AC supply,
 - Windows XP Pro.



1500 Points Vijeo Citect Compact iPC Bundle ▲

Designation	Description	Reference	Weight kg
Vijeo Citect-Compact iPC Bundle	Vijeo Citect-1500 Points (VJC 1099 22 plus VJC 1011 13) and 15" Magelis Compact iPC (1)	MPC KT55 NAX 00V	—

(1) Complete description and characteristics, see our catalog "Automation and Control, Human/Machine Interfaces" page 43634/2.

▲ Please contact our Schneider Electric local representative for product availability.