OpenOpcUa.org

An Open Source OPC UA C/C++ Implementation

Michel Condemine
♦OpenOpcUa Project leader
♦OPC Foundation TAC member
♦CEO at 4CE Industry
♦OPC UA France President
♦MichelC@4CE-Industry.com
♦+33 467 790 737

Looking for North-America partners

OpenOpcUa is an corporate consortium lead by Michel Condemine (4CE Industry). The consortium 's objectives include:

1. Develop an **industrial quality open source code base** compliant with the OPC Foundation (OPC UA) specification.
2. **Promote the OPC UA** technology using OpenOpcUa codebase
3. **Help companies in OPC UA** understanding and adoption

Reliable

Adopted

Secure

Multiplatform

Flexible
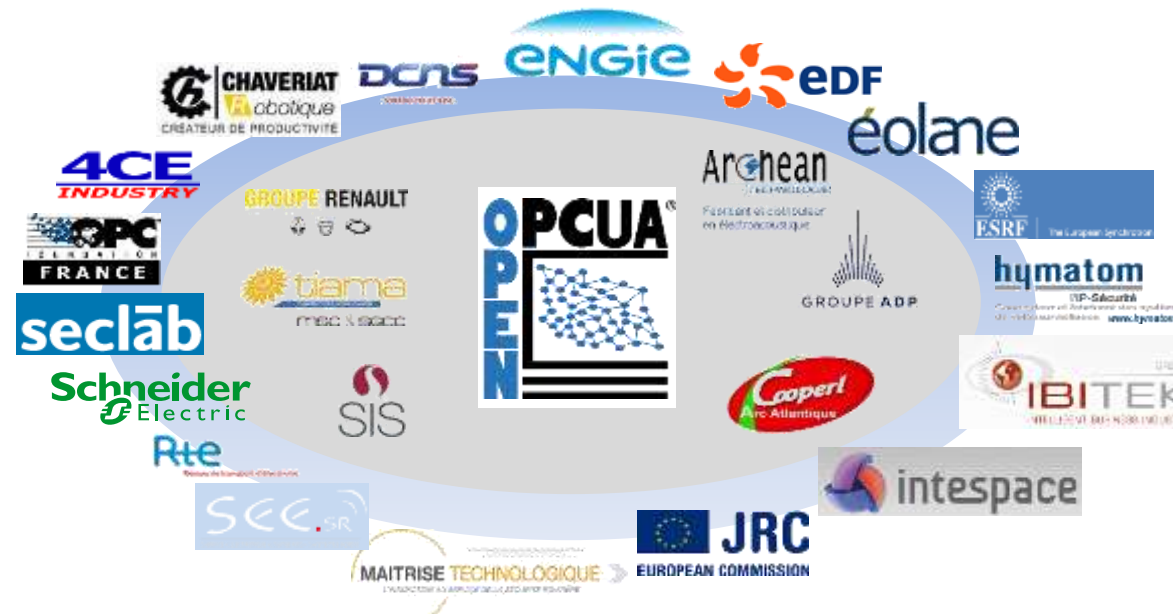
Some numbers :
- +500 Observers
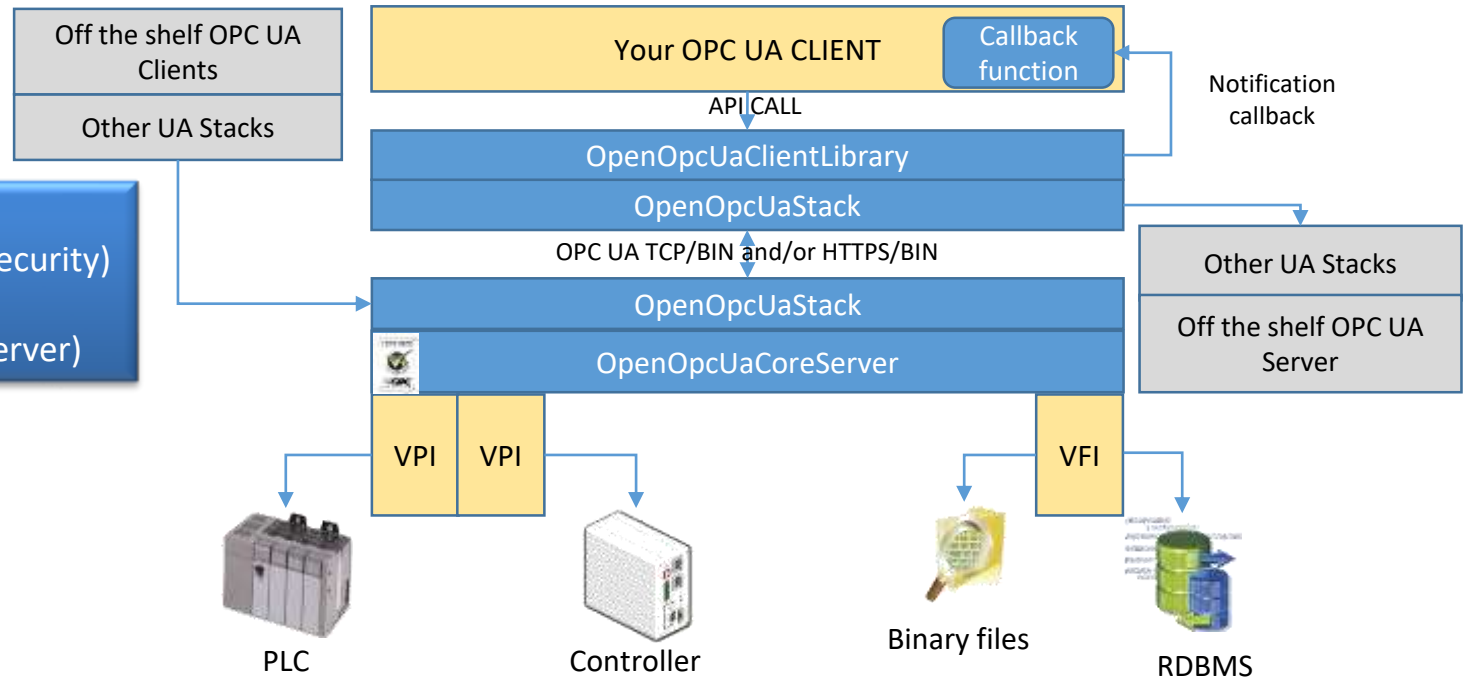- +200 Contributors
- +50 Funding
- +100 Real project

- The OpenOpcUa project is developed under the **CeCill-C license model.**
- **CeCILL-C** license aligns well with component type projects.
- **CeCILL** stand for Ce(A)C(nrs)I(NRIA)L(ogiciel)L(ibre)
- While forking the server and the client codebase is forbidden, Vpi and Vfi codebase can part of OpenOpcUa project or owned by their creator. This license is compliant with LGPL V3 according to the French law. More details at http://www.cecill.info

OpenOpcUa is divided into three main components
1. OpenOpcUa stack (Encoding, transport and security)
2. OpenOpcUa client API (OPC UA client SDK)
3. OpenOpcUaCoreServer (OPC UA Reference server)

Off the shelf OPC UA Clients

Other UA Stacks

Your OPC UA CLIENT

Callback function

Notification callback

API CALL

OpenOpcUaClientLibrary

OpenOpcUaStack

OPC UA TCP/BIN and/or HTTPS/BIN

Other UA Stacks

OpenOpcUaStack

OpenOpcUaCoreServer

Off the shelf OPC UA Server

VPI   VPI

VFI

PLC

Controller

Binary files

RDBMS

- OpenOpcUa components
- Off the shelf UA application
- OpenOpcUa extensions
  Data connector (VFI)
  Device connector (VPI)

Download binary for Windows and Linux

Access to the openOpcUa collaborative tool. (Redmine)

OpenOpcUa Project
Forge

http://www.openopcua.org/redmine

Source Code and update can be found in Sponsors project

OpenOpcUa Forge includes two projets types:
1. Private projects
2. Public projects
Only Sponsors can access private project

OpenOpcUa project
Les composants du projet

OpenOpcUa is divided into three main components
1. OpenOpcUa stack (Encoding, transport and security)
2. OpenOpcUa client API (OPC UA client SDK)
3. OpenOpcUaCoreServer (OPC UA Reference server)

OpenOpcUa components
Off the shelf OPC UA application
OpenOpcUa extensions
Data connector (VFI)
Device connector (VPI)

OpenOpcUaCoreServer
Script & UAMethod

From OPC UA
Part 6

Dynamic Modeling

E X P E R T S

UANodeSet
Modeling Rules

Business Model

Off the shelf OPC UA Clients

Other UA Stacks

Your CLIENT OPC UA | Callback

Notification callback

API CALL

OpenOpcUaClientLibrary
OpenOpcUaStack

OPC UA TCP/BIN and/or HTTPS/BIN

OpenOpcUaStack
OpenOpcUaCoreServer

Other UA Stacks
Off the shelf OPC UA Server

VPI | VPI

VFI

PLC

Controller

Fichiers Binaires

SGBD

Data connector
VFI

Binary files | RDBMS

Device connector
VPI

Existing VFI
- VFI for CSV file
- VFI for SQL
- VFI Binary

Existing VPI
- VPI Modbus
- VPI S7 (Siemens)
- VPIEthernet/Ip (ODVA)
- VPIComDa (Wrapper)
- VPIUaClient (aggregator)
- VPIRest

© 2020 – OpenOpcUa.org

Bug tracking/ Evolution/Support

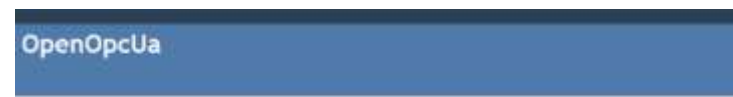Redmine's bug tracking is used to globally handle request for evolution, bug report and assistance,

How to report a bug:

- Connect to the forge
  http://www.openopcua.org/redmine
- Select OpenOpcUa project
- Select « New request »
- Fill in the form based on your request type

© 2020 – OpenOpcUa.org
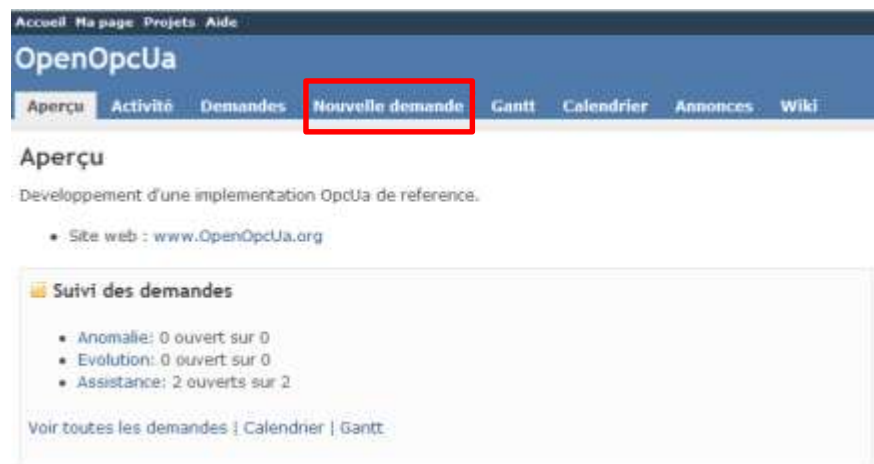
❑ **Gold Sponsor**
- 4 days Workshop
- Weekly project meeting
- Technical @Support for 1 year
- Vote on OpenOpcUa feature planning

❑ **Titanium Sponsor**
- 4 days Workshop
- Weekly project meeting
- Technical @Support for 6 month

❑ **Silver Sponsor**
- 4 days Workshop
- Technical @Support for 6 month

❑ **Bronze Sponsor**
- Technical @Support for 3 month
- 1-hour webinar

❑ **Blue supporter (no commercial use)**
- Technical @Support for 1 month
- 1-hour webinar

❑ **Green Supporter (no commercial use)**
- 1-hour webinar

Support OpenOpcUa

www.OpenOpcUa.org

Sponsorship	Retail Price	License Type/Maintenance Period	Software included	Services included	Notes
Green Sponsor	500,00 €	• Code received can be kept and used forever without any limitation for none commercial. • Access to new version require a new sponsorship. • Code received cannot be redistribute to none OpenOpcUa sponsor	• OpenOpcUa Codebase : Core Server, stack, sharedlib, XML parser, client samples, and Binary • OpenOpcUa Binary : Client Library, VPI library, VFI libary. • Samples source : VpiNull, VpiNullEx, command line client, Qt client, MFC Client.	1 hour webinar. No support,	Targeted at first look at source, You cannot use code base for commercial product.
Blue Sponsor	1 000,00 €			1 hour webinar. One month support	Targeted at first look at source, You cannot use code base for commercial product.
Bronze Sponsor	3000,00 €			1 hour webinar. Three month support	Can be use in commercial product.
Silver Sponsor	8 000,00 €	•Code received can be kept and used forever without any limitation. •Access to new version require a new sponsorship.	**Source code** Core Server with simulator, stack, sharedlib, XML parser, client API, client samples, and Modbus binary. Also includes VPI library, library based VPI samples, VFI libary and VFI library based samples, **PowerTools** : • Configuration tool, • VPI Binaries for internal demonstration, but not for distribution. • VFI Binaries for internal demonstration, but not for distribution	5 day training. Six month support,	Can be use in commercial product.
Titanium Sponsor	11000,00 €	•Code received can be kept and used forever without any limitation. •Access to new version require a new sponsorship.		5 day training, Six month support, weekly one hour call.	Can be use in commercial product.
Gold Sponsor	15 000,00 €	•Code received can be kept and used forever without any limitation. •Access to new version require a new sponsorship.		5 day training and weekly one hour call. One year support	Can be use in commercial product.

OpenOpcUa

www.OpenOpcUa.org

+33 467 790 737

Michel Condemine
- ❑ OpenOpcUa Project leader
- ❑ OPC France representative.
- ❑ OPC TAC member
- ❑ 4CE Industry CEO
- ❑ MichelC@4CE-Industry.com