



OSIsoft.  
**PARTNER  
MEETING** 2012  
E M E A  
The **Power** of **Data**



# OSIsoft vCampus

Presented by **Andreas Schremmer**

OSIsoft vCampus Team - OSIsoft Europe GmbH

# OSIsoft vCampus

**Community**

**Personal development PI System**

**New ideas and brainstorming**

**Who?**

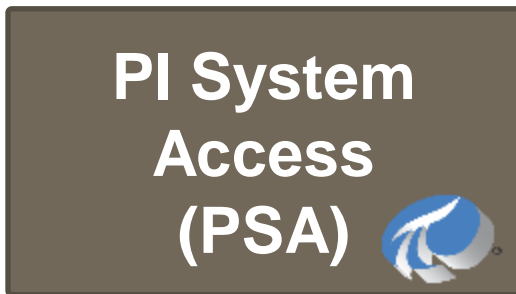
**Why?**



# Development vs. Runtime



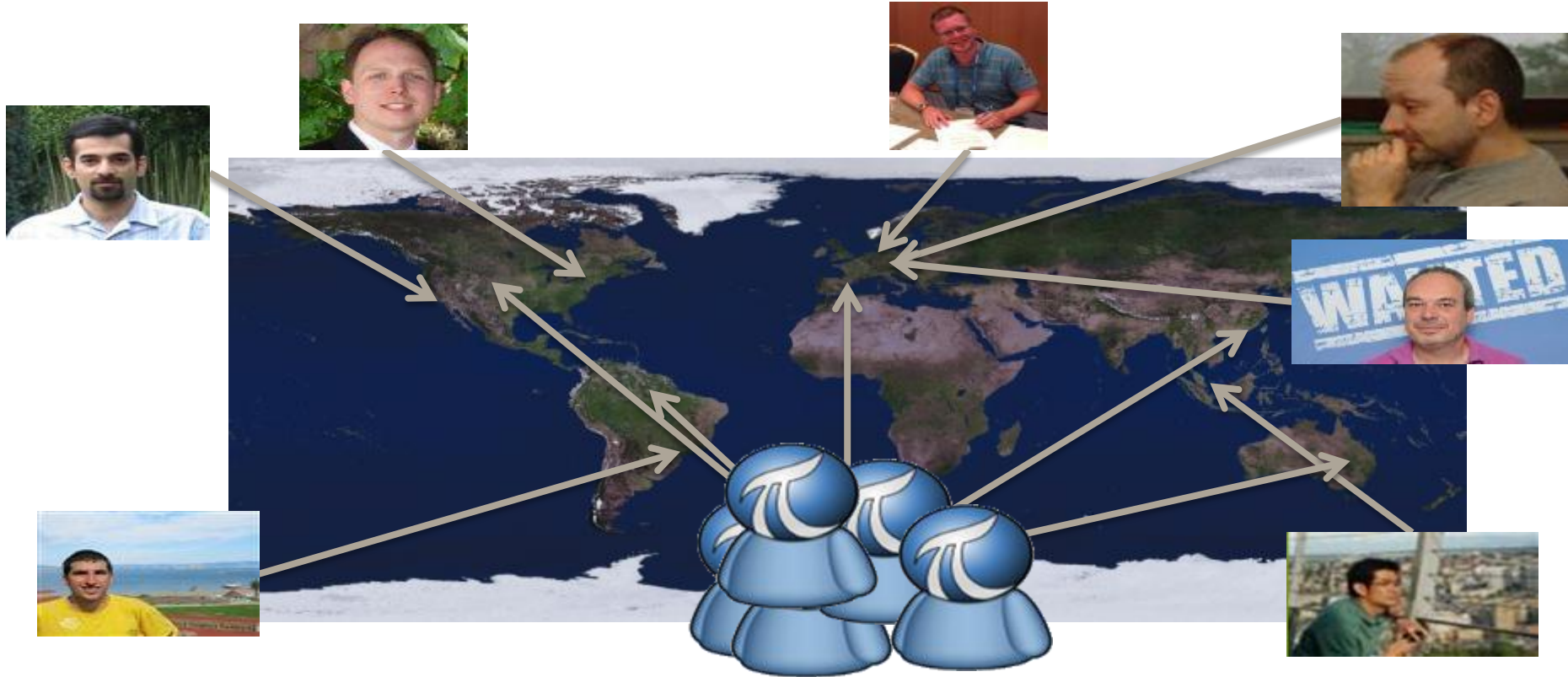
```
AFTimeRange tr = new AFTimeRange(new AFTime(tex  
AFValues vals = _afDB.Elements["Pump123"].Attri  
  
lstValues.Items.Clear();  
foreach(AFValue val in vals)  
{  
  
    lstValues.Items.Add(val.Value.ToString() +  
}
```



# OSIsoft vCampus & Partners



# The Team








# The Community

	United States
	European country
	Canada
	Australia
	Netherlands
	Great Britain
	Singapore
	Germany
	France
	Japan
	Austria
	Norway
	Brazil
	Egypt
	South Korea
	Spain
	China
	New Zealand
	Chile
	Hong Kong

	Denmark
	South Africa
	Kuwait
	Switzerland
	Russian Federation
	Italy
	Finland
	Belgium
	Sweden
	India
	Saudi Arabia
	Mexico
	Bahrain
	Romania
	Morocco
	United Arab Emirates
	Yugoslavia
	Malaysia
	Taiwan
	Peru

	Israel
	Hungary
	Puerto Rico
	Slovak Republic
	Thailand
	Oman
	Qatar
	Iran
	Ireland
	Greece
	Philippines
	New Caledonia (French)
	Portugal
	Jamaica
	Czech Republic
	Ukraine
	Lebanon
	Colombia
	Ecuador
	Indonesia

	Turkey
	Brunei Darussalam
	Argentina
	Poland
	Croatia
	Moldova
	Belarus
	Venezuela
	North Korea
	Estonia
	Monaco
	Kenya
	Mauritius
	Nigeria
	Bosnia-Herzegovina
	Latvia
	Luxembourg
	Unknown
	Macau
	Bulgaria

	Algeria
	Cayman Islands
	Trinidad and Tobago
	Lithuania
	Jordan



# Where are we?

**LIBRARY**

- ☒ vCampus Library
  - ☒ Legacy DevNet Content
    - ☐ ActiveX Controls
    - ☐ PI DataLink Tools
    - ☐ PI ProcessBook Add-Ins
    - ☐ PI ProcessBook VBA Scripts
    - ☐ Standalone Applications
  - ☒ Newsletters and Announcements
    - ☐ 2008-11-08 - Announcement
    - ☐ 2008-12-11 - Newsletter - F
    - ☐ 2009-01-16 - Newsletter - 2
    - ☐ 2009-05-26 - Newsletter - 1
    - ☐ 2009-11-16 - Newsletter - F
    - ☐ 2010-04-20 - Newsletter - F
    - ☐ 2010-05-14 - Announcement
    - ☐ 2010-10-28 - Newsletter - A
    - ☐ 2010-12-09 - Newsletter - C
  - ☒ OSIsoft - Microsoft Accelerator
    - ☒ Creating a BDC Model to PI
      - ☐ Supporting Files
    - ☒ Dynamic OBA with SharePoint
      - ☐ Add PI Point Trend Action
        - ☐ Supporting Files
      - ☐ Find and Display PI Point
        - ☐ Supporting Files
    - ☒ Integrate PI DataLink for Excel Services with K1WebParts
      - ☐ Supporting Files
    - ☒ Provide PI Module Contexts to PI DataLink for Excel Services

**OSIsoft virtual campus**

Library Discussion Hall Auditorium Bloggers' Place Training

**Category: Extras**

Name	Version	Size
PI ACE Context Manager Example	0.1	403 KB
PI Notifications Developer Tools 1.1	1.1.1200.8	1.44 MB
PI Notifications XML Delivery Channel Code Sample	C# and VB.NET	6.24 KB
ProcessBook 3.x Add-In Templates (C# & VB.NET)	VS2008	290 KB
ProcessBook 3.x Add-In Templates (C#)	C# - VS2005	1.93 MB
ProcessBook 3.x Add-In Templates (VB.NET)	VB.NET - VS2005	2.87 MB
StreamInsight Sample Projects	July 2010	13.6 KB

**Category: Pre-Release**

Name	Version	Size
Events Frame Community Technology Preview	CTP	303 KB
PI SDK 2010 CTP (32-bit)	1.4.0	22.5 MB
PI for Streaminsight April 2011 CTP	April 2011 CTP	64.0 MB

**WHAT IS OSIsoft VIRTUAL CAMPUS?**

OSIsoft vCampus is a subscription-based, online offering that consists of providing everything people need to develop applications on the PI System. Focusing on doing it right, this community-oriented program provides each of its subscribers with:

- Personal development PI System
- Community experience with discussion forums and blogs
- Online library and courses
- Technical interactive webinars

OSIsoft vCampus is intended to facilitate and encourage communication around PI.

**EVENTS**

- [27-Apr-11] vCampus Frames - Infrastructure to your Events
- [23-Mar-11] vCampus R2 in action
- [23-Feb-11] vCampus WebParts, What's New
- [26-Jan-11] vCampus Webinar: PI System 101 - Security
- [22-Dec-10] vCampus webinar: PI System 101 - What makes time-series data and PI special

**NEWS**

by Han Yang

Today

Following the link on the Demo Environment page, please contact [training@osisoft.com](mailto:training@osisoft.com).



# What's in the box?

Development  
PI System

Resources

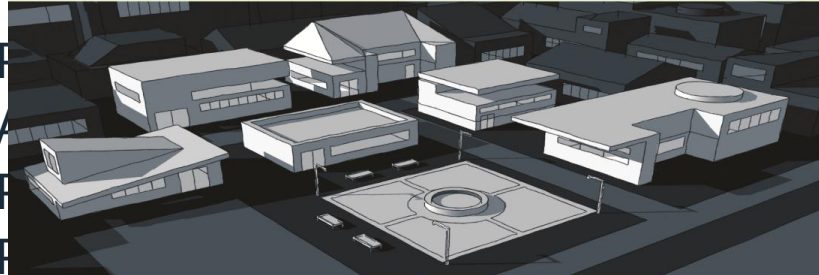
Community



Servers

OSIsoft®

- P
- A
- P
- P
- F



vCAMPUS



# Community Projects

## Great Collaboration Opportunity

- Feedback and visibility in the Community

## Hosted 5 Community Projects

- Matrix View for PI ProcessBook
- AF Symbol Drop
- LinqToPI
- Smart Table Lookup
- PDI Preview Handler

## New ones coming up

## Do you have any ideas?

# Be the first to know!

## Community Technology Previews (CTPs) and Release Candidates:

- PI AF Server 2012, PI AF Client 2012, PI AF Developer Tools 2012, PI DataLink 2012, PI Web Services 2012, PI OLEDB Enterprise 2012

## Exclusive to OSIsoft vCampus!

- OSIsoft vCampus is the exclusive conduit for pre-release products in Data Access

# Already Convinced?

- Online Application
  - <http://vCampus.osisoft.com> > Apply Now
- Subscription Types
  - Individual
  - Team (10 seats)
  - Enterprise (unlimited seats)



# Blogs from the Team

## ANDREAS' BLOG



### AF SDK - Some code snippets for the OSIsoft.AF.PI namespace



Andreas Thu, Jun 28 2012 6:30 AM



RATE THIS  
\*\*\*\*\*

After [Rick's](#) post I realized that there are still some code snippets I wanted to share with you. The following snippets will show you simple tasks you used to do with the PI SDK like creating a tag, writing data or signing up for events.

So let's start with connecting to the PI Server:

```
1 // the PI server
2 OSIsoft.AF.PI.PIServers myPIServers = new OSIsoft.AF.PI.PIServers();
3 OSIsoft.AF.PI.PIServer myPIServer = myPIServers.DefaultPIServer;
4 myPIServer.Connect();
```

As usual I am using my default server only to keep things simple 😊

As Rick mentioned already - things are slightly different between AF SDK and PI SDK. So for the point attributes, AF SDK expects a dictionary:

```
1 string strSolution = "AFSDK_RDA_CodeSnippets";
2 Dictionary<string, object> myAttributes = new Dictionary<string, object>();
3 myAttributes.Add("CompMin", 0); // CompMin 0
4 myAttributes.Add("CompMax", 600); // CompMax 10 min
5 myAttributes.Add("CompDev", 60); // CompDev 60
6 myAttributes.Add("Compressing", 1); // Compressing on
7 myAttributes.Add("ExcMin", 0); // ExceptionMin 0
8 myAttributes.Add("ExcMax", 0); // ExceptionMax 0
9 myAttributes.Add("ExcDev", 0); // ExceptionDeviation 0
10 myAttributes.Add("Pointsource", strSolution);
```

# Blogs from key OSIsoft people

## ARMCHAIR THOUGHTS FROM THE LEAD ARCHITECT



### Claims Based Security...I Do Declare!



**Richard Beeson** Tue, Oct 11 2011 2:32 PM



6

RATE THIS




In the back rooms of OSIsoft (yes, we have those, shhh) we have been pounding out prototypes for cloud (hosted) based extensions to on premises PI Systems including prototypes of hosted PI Coresight and "Coresight-like" experiences for mobile devices (and yes, we are looking at your favorite devices, unless it happens to be running Symbian.) We also have some exciting prototypes of a new "enterprise" grade PI System Search Engine for improved search experiences - designed to run on premises or as a hosted service.



In itself this is all some really exciting work some of which we hope will see the light of day in 2012 (all the PM's just fell over, you see, I really shouldn't set expectations around features/products, especially with dates! So, standard disclaimer, none of this has even hit the engineering plan so there are no promises here. But come on, inquiring minds should at least know where we are heading...nough said.) But, what has really hit home for us as we have pushed in this direction, is the need for an improved (possibly new) security model in our system. Since many users haven't even



# Blogs from the community

**RICK'S BLOG**

**A Fun Diversion**

 **Rick Davin** Fri, Sep 14 2012 6:08 AM  **5**

**RATE THIS**  
\*\*\*\*\*

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Rhys has a recent blog where he talks about his children's PI ages, where 1 pi-year is approximately equal to 3.14 earth years. Here's the link to his post:  
[http://vcampus.osisoft.com/bloggers\\_place/b/rhys/archive/2012/09/12/nearly-1-quot-pi-quot-years-old.aspx](http://vcampus.osisoft.com/bloggers_place/b/rhys/archive/2012/09/12/nearly-1-quot-pi-quot-years-old.aspx) .

I read the blog with some amusement but walked away with 2 pervasive thoughts: (1) Rhys is abnormally geeky, and I mean that in a good way; and (2) the PI community has been lacking in a useful tool to help others quickly calculate their own PI age as well as upcoming PI birthdays. I can't sit idle and let the community struggle through another day without such a tool. So I whipped up a quick VS 2010 project to fill the void.

Calculate your PI age

A PI Year = 3.14159 Earth years

**Enter your date of birth:**

Your first 35 PI Birthdays:

Your current earth age is 42.70 years.  
Your current PI age is 13.5926 pi years.

You will be 14 pi years old on  
Wednesday, December 25, 2013

Your earth age on that date will be 43.98 years old.

# OSIsoft vCampus Live! 2012

- Annual in-depth technology event
  - Development with the PI System and PI Data Access
  - Integration of the PI System with other software systems (ERP, BI etc.)
  - Administration of the PI System
- Hands – on experience
- Developer's Lounge
- Hackathon
- Week of November 26<sup>th</sup>
  - Grand Hyatt Union Square, San Francisco



## vCampus Live! 2012

### DISCOUNTS AVAILABLE!



# Contact

- Forums for technical matters  
<http://vcampus.osisoft.com>
- [VCampus@osisoft.com](mailto:VCampus@osisoft.com) for nontechnical issues
- Twitter @OSIssoftvCampus



# THANK YOU

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