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

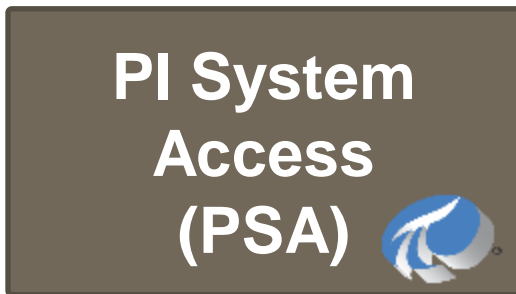Personal development PI System

New ideas and brainstorming

Who?

Why?

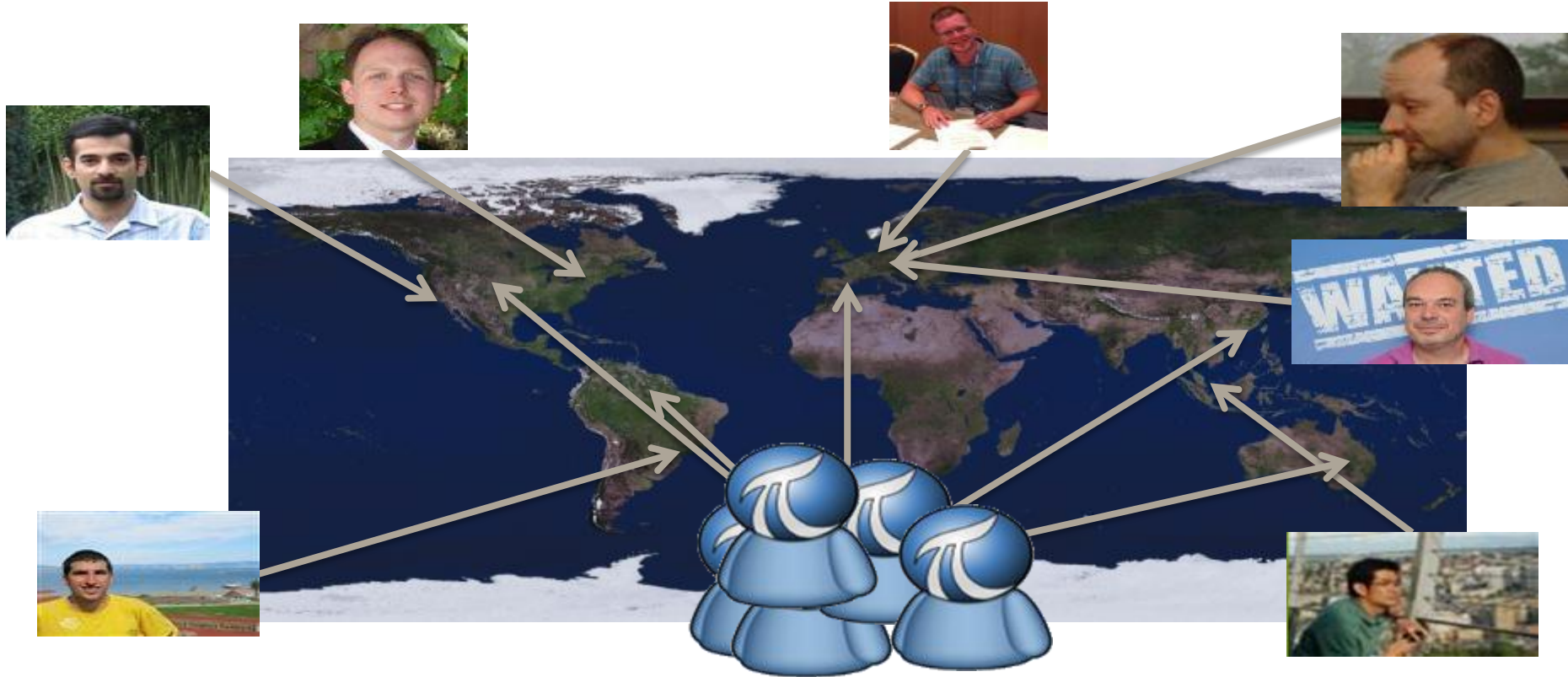# Development vs. Runtime


```
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() +
}
```

PI System Access (PSA)

OSIsoft vCampus & Partners

not the Partner Program

but mandatory for Partners

The Team

The Community

United States	Denmark	Israel	Turkey	Algeria
European country	South Africa	Hungary	Brunei Darussalam	Cayman Islands
Canada	Kuwait	Puerto Rico	Argentina	Trinidad and Tobago
Australia	Switzerland	Slovak Republic	Poland	Lithuania
Netherlands	Russian Federation	Thailand	Croatia	Jordan
Great Britain	Italy	Oman	Moldova	
Singapore	Finland	Qatar	Belarus	
Germany	Belgium	Iran	Venezuela	
France	Sweden	Ireland	North Korea	
Japan	India	Greece	Estonia	
Austria	Saudi Arabia	Philippines	Monaco	
Norway	Mexico	New Caledonia (French)	Kenya	
Brazil	Bahrain	Portugal	Mauritius	
Egypt	Romania	Jamaica	Nigeria	
South Korea	Morocco	Czech Republic	Bosnia-Herzegovina	
Spain	United Arab Emirates	Ukraine	Latvia	
China	Yugoslavia	Lebanon	Luxembourg	
New Zealand	Malaysia	Colombia	Unknown	
Chile	Taiwan	Ecuador	Macau	
Hong Kong	Peru	Indonesia	Bulgaria	

Where are we?

What's in the box?

Development PI System

Resources

Community

vCampus

Servers

- P
- A
- F
- P
- H

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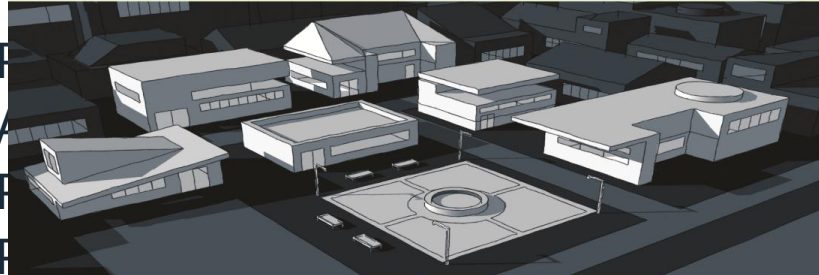
vCampus

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   💬 **0**

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);
```

OSIsoft. **REGIONAL SEMINARS 2012**

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

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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

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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 .

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:

1/ 1/1970

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.

Your first 35 PI Birthdays:

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 26th
  - Grand Hyatt Union Square, San Francisco

Contact

- Forums for technical matters
  http://vcampus.osisoft.com

- vCampus@osisoft.com for nontechnical issues

- Twitter @OSIsoftvCampus

THANK YOU

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