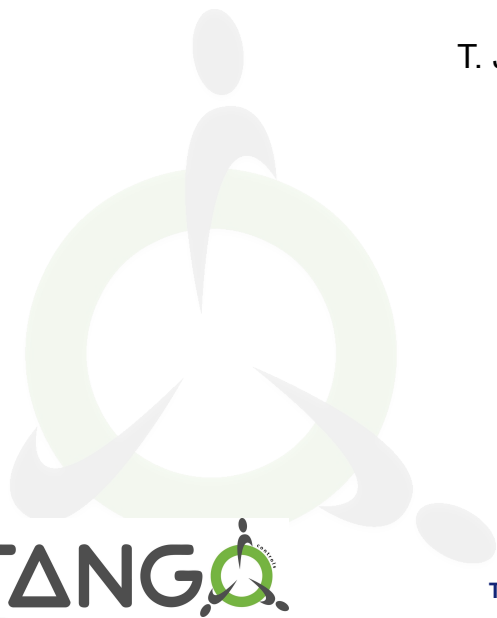


POGO: Tango Controls devices made easy

T. Juerges, SKA Observatory, Jodrell Bank, United Kingdom



Tango Controls Workshop, Saturday 2025-09-20, ICALEPCS 2025, Chicago, USA



What is POGO?

Class Definition Window

Class Name : **FancyDeviceClass**

Add Inheritance Class

Language : ☒ Cpp ☐ Java ☐ Python ☐ PythonHL

License :

Project Title : The Tango Controls Workshop Pogo class

Class Description : This is a fancy Tango device class. It does lots of things.

Class Copyright : Copyright 2025 SKA Observatory
Redistribution and use in source and binary forms, with or without modifications, are permitted.
1. Redistributions of source code must retain the above copyright notice.
2. Redistributions in binary form must reproduce the above copyright notice in the source and binary forms.

Device Class Identification

Contact email *

Class family *

Platform *

Bus *

Manufacturer

Product Reference

Add Key Words For Search Engine

OK Cancel

Edit Attribute Window

Attribute name:

Abstract Attribute

Attribute stunningAttr

Default events:

Periodic Event:
Period: ms

Change Event:
Relative: %
Absolute:

Archive Event:
Period: ms
Relative: %
Absolute:

Pushed events by user code:
☐ Data Ready Event

☒ Change Event
☐ Criteria managed by library

☒ Archive Event
☐ Criteria managed by library

OK Cancel

TANGO Code Generator - Pogo-9.9.1 - FancyDeviceClass

File Edit Tools Help

Palette:

FancyDeviceClass

- Class Properties
- Device Properties
- Commands
 - State
 - Status
 - SomeCommand
- Scalar Attributes
 - wowAttr
- Spectrum Attributes
 - stunningAttr
- Image Attributes
- Forwarded Attributes
- Pipes
- States

Input Argument:

Output Argument:

Controlled by: ☐ Expert Only

Polled: ☐ 1000 ms

Command description: the total happiness of the Tango Controls Workshop participants.

OK Cancel

FancyDeviceClass State Machine

Allowed Commands Allowed Attributes

	ON	OFF
wowAttr (Read)	☒	☐
wowAttr (Write)	☒	☐
stunningAttr (Read)	☒	☐
stunningAttr (Write)	☒	☐

OK Cancel

POGO: "click and [compile and] run:
Create Tango Device source code skeletons without coding



Let's see for ourselves...

