

# VR & AR

**By Emma Petrunovskaya**

# Application areas

in life & space

Design

Engineering

Education

Simulators

Architecture

Museums

The medicine

Marketing

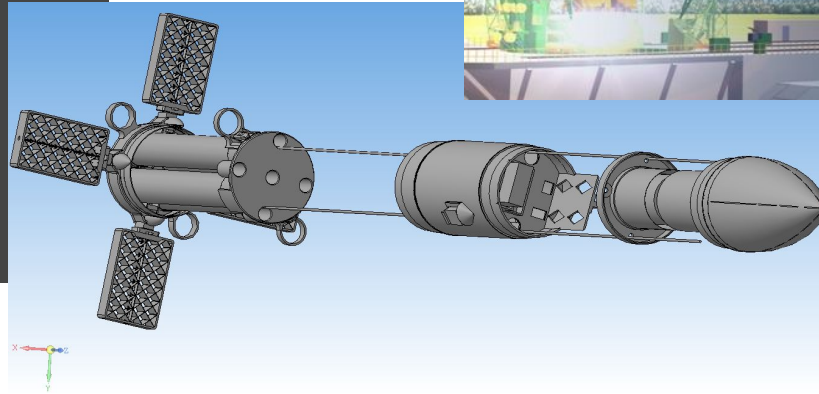
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Games

# Design



# Engineering



# Education





# Simulators



# Architecture





# Museums





# The medicine



# Marketing



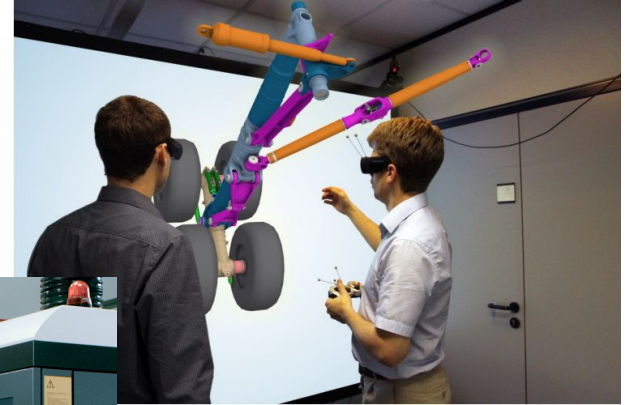
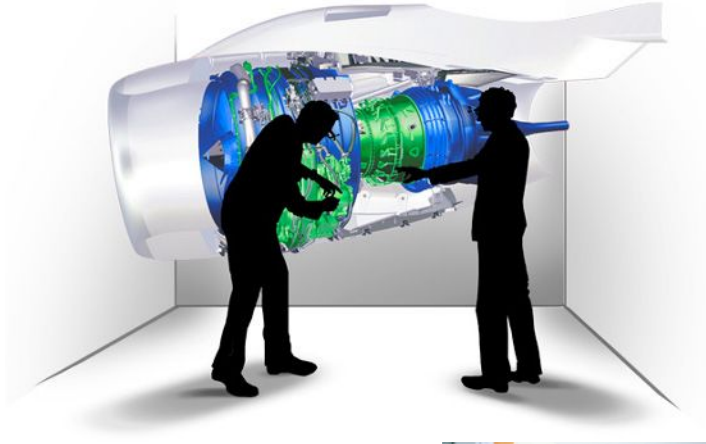
# Games



# **Further perspectives in the space industry**

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# Examples of our work

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# 2D/3D modelling & visualisation

Using Programs:

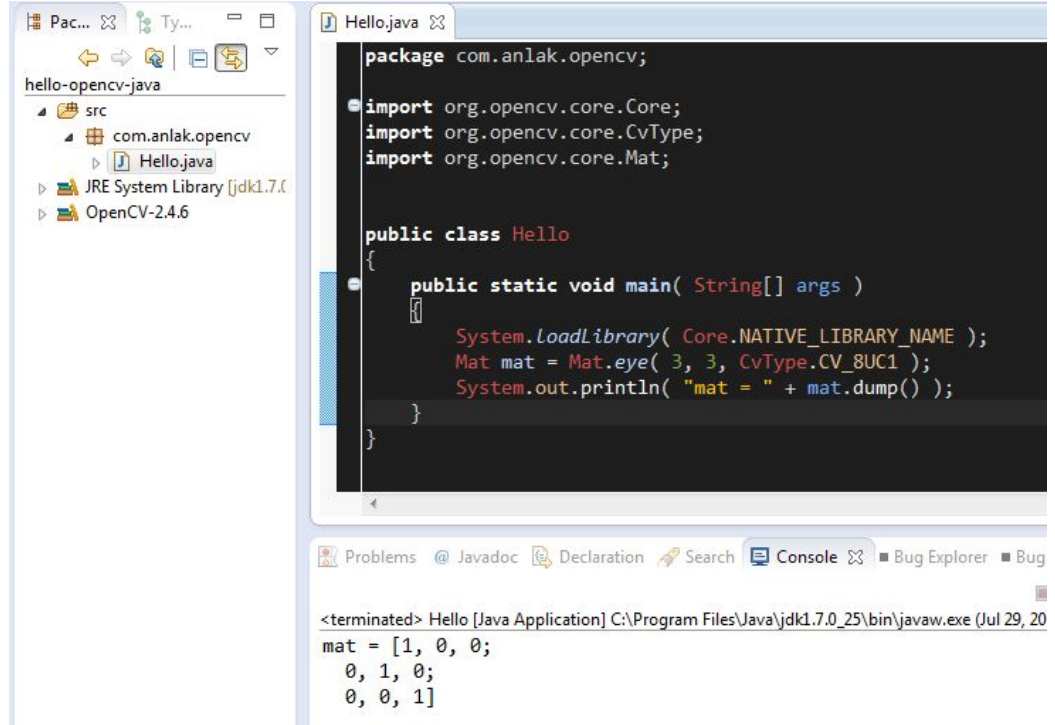
- Unreal Engine
- Blender
- Fusion
- Autocad
- Substance Designer
- Substance Painter



# VR/AR applications

## Programs & Languages:

- C/C++
- Python
- Java
- Unreal Engine(vr/ar)
- Android studio
- Unity3d



```
package com.anlak.opencv;

import org.opencv.core.Core;
import org.opencv.core.CvType;
import org.opencv.core.Mat;

public class Hello
{
    public static void main( String[] args )
    {
        System.loadLibrary( Core.NATIVE_LIBRARY_NAME );
        Mat mat = Mat.eye( 3, 3, CvType.CV_8UC1 );
        System.out.println( "mat = " + mat.dump() );
    }
}
```

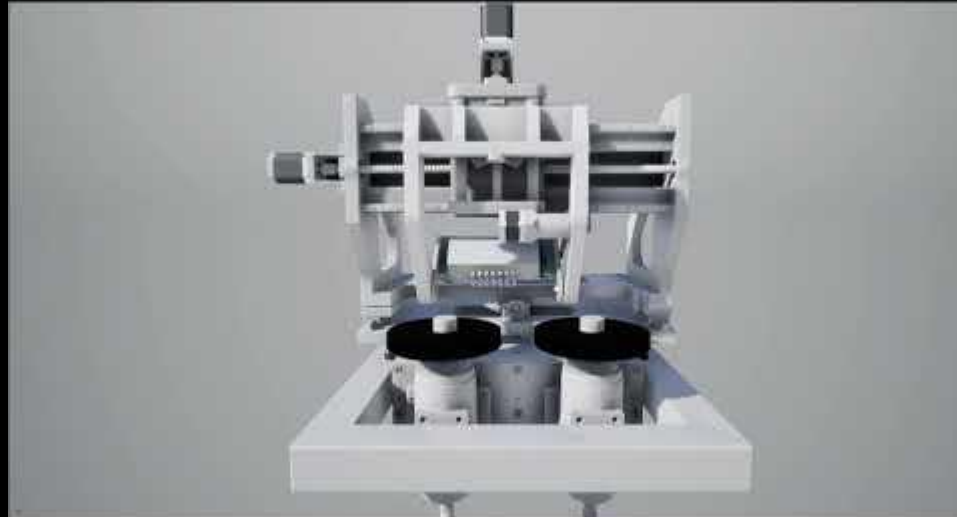
<terminated> Hello [Java Application] C:\Program Files\Java\jdk1.7.0\_25\bin\javaw.exe (Jul 29, 2015 10:00:00 AM)  
mat = [1, 0, 0;  
0, 1, 0;  
0, 0, 1]



# VR walk on Mars



# Visualisation of the machine



# Moon flight simulator



# 3D visualisation





**Let's try now !!!**

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**Thank you for your  
attention.**

**star-engine.space**