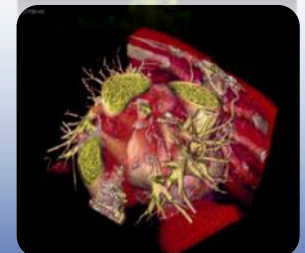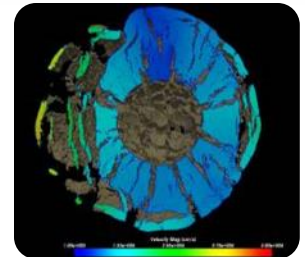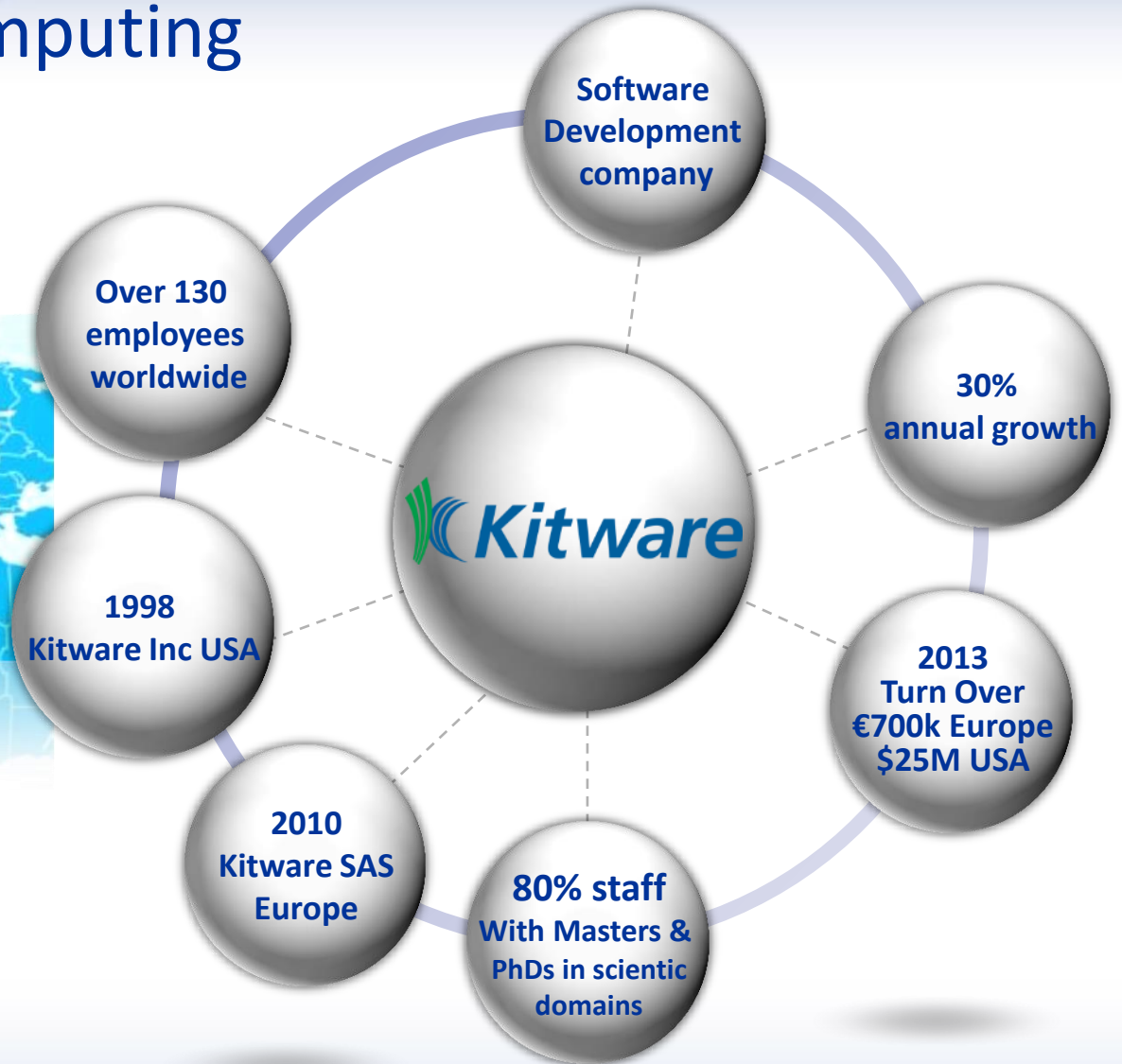# Kitware

Open-source platforms
High quality software
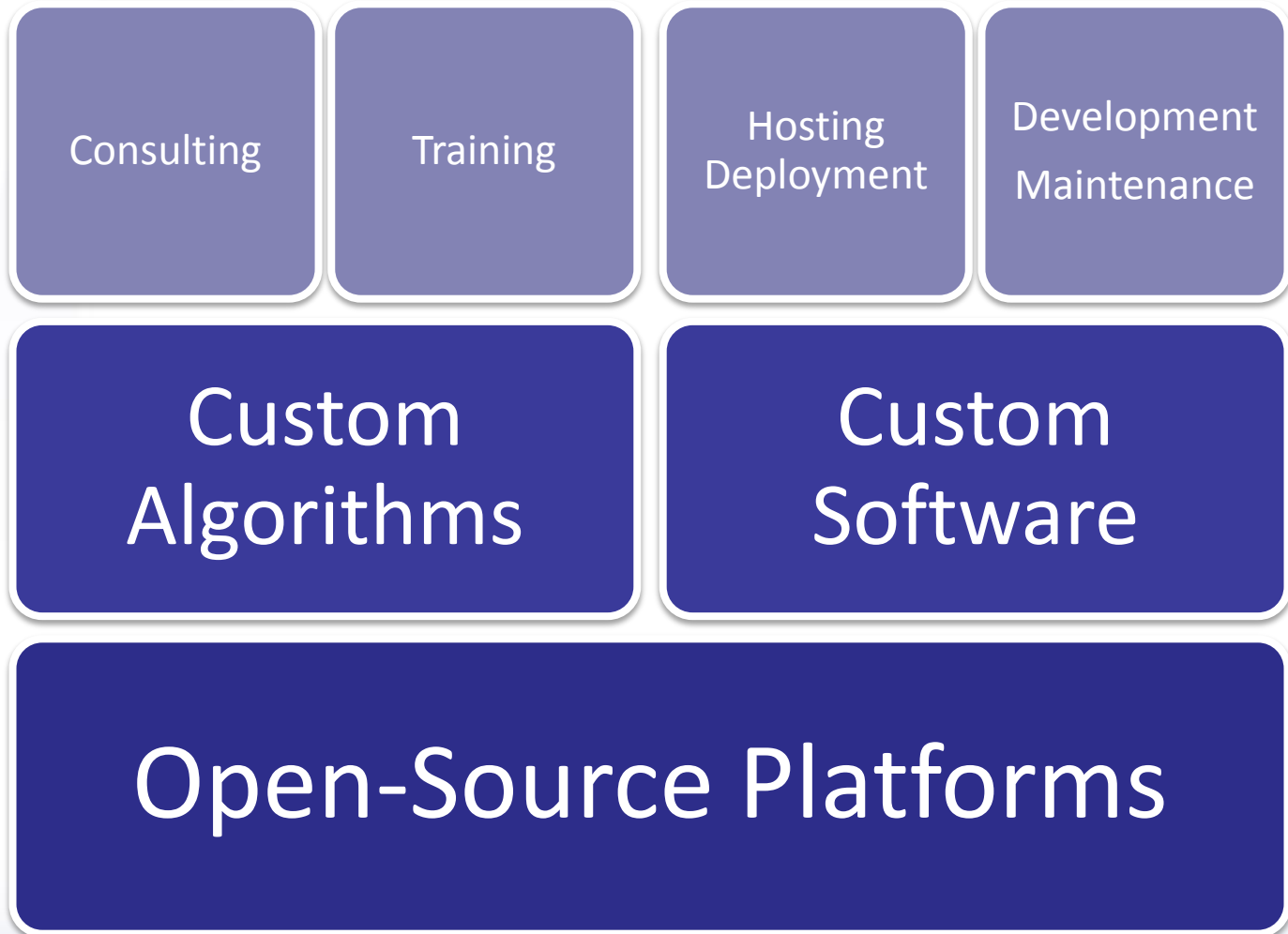
Julien Jomier, CEO Kitware SAS
julien.jomier@kitware.com

# **Kitware** - Leader in Open Source Software for Scientific Computing

# **Kitware** - Solutions based on Open-Source Software

| | | | |
|---|---|---|---|
| Consulting | Training | Hosting Deployment | Development Maintenance |

| | |
|---|---|
| Custom Algorithms | Custom Software |

## Open-Source Platforms
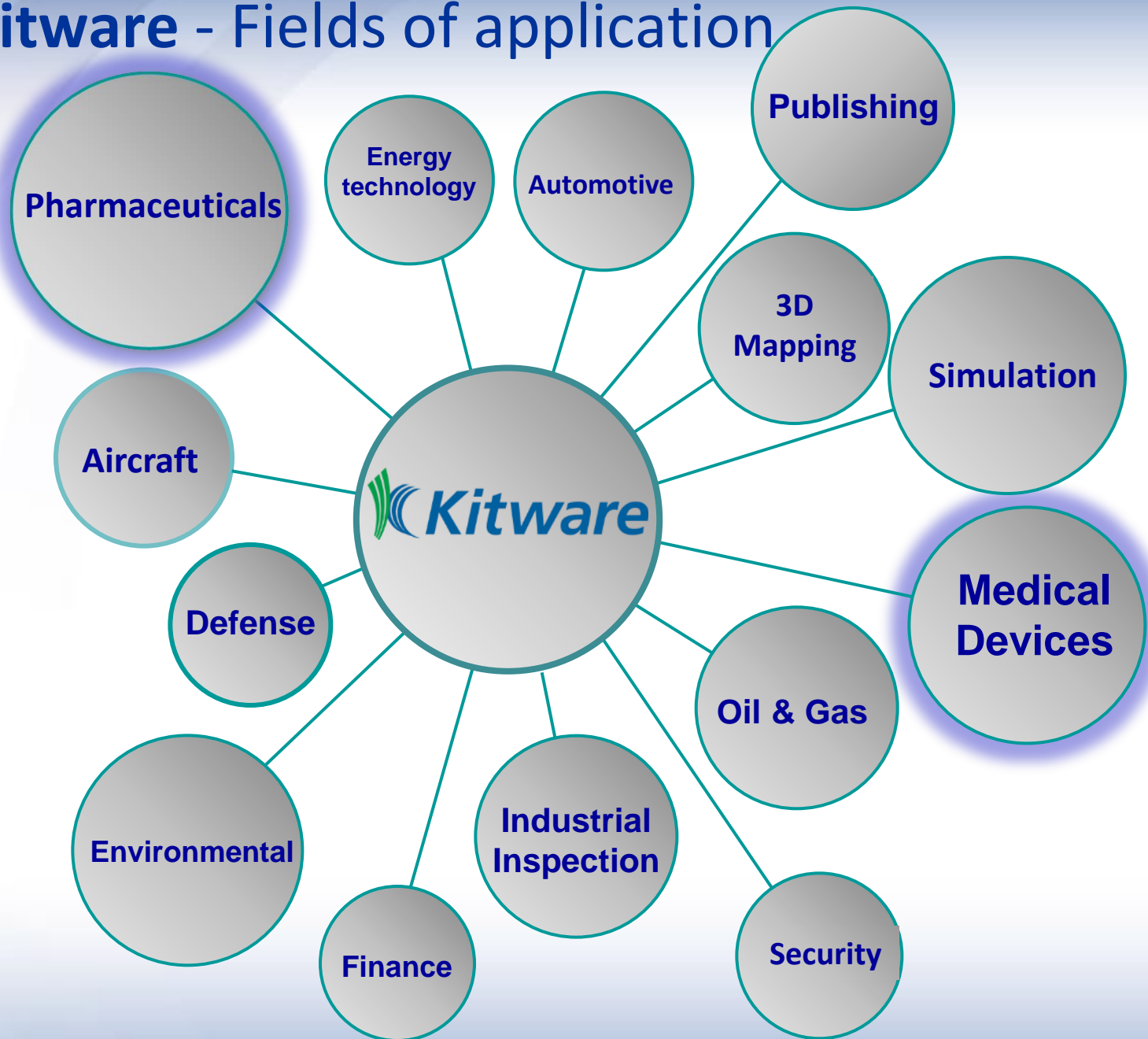
# Kitware - Fields of Expertise

# **Kitware** - Customers & collaborators

- Over 75 **academic** institutions worldwide
- Over 50 **government** agencies
- Over 100 **commercial** companies

# Kitware - Fields of application
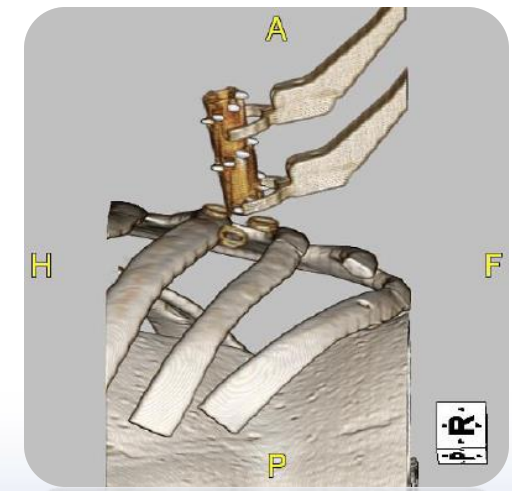
# Kitware - Image & Data Processing

**Expertise**

- Image Analysis: 2D, 3D, 4D.
- Image/Model Registration & Fusion
- Image Segmentation & Detection
- Computer Vision

**Technology**

- Medical & Biological Image Processing The Insight Toolkit (ITK)
- Industrial vision processes
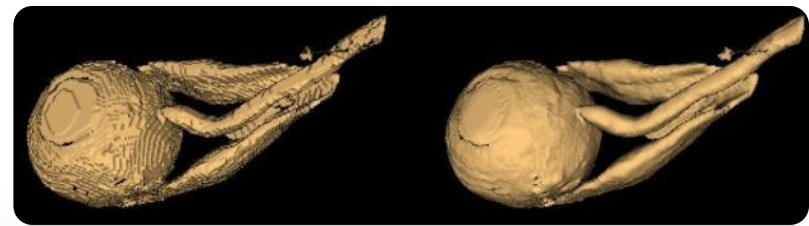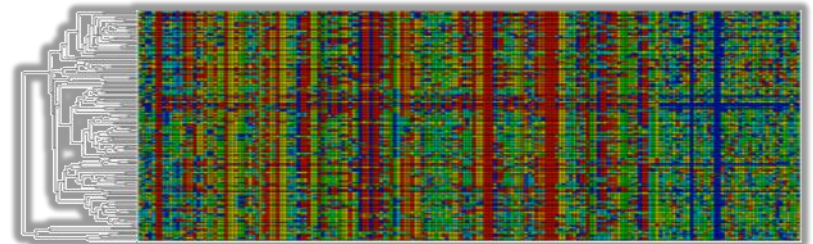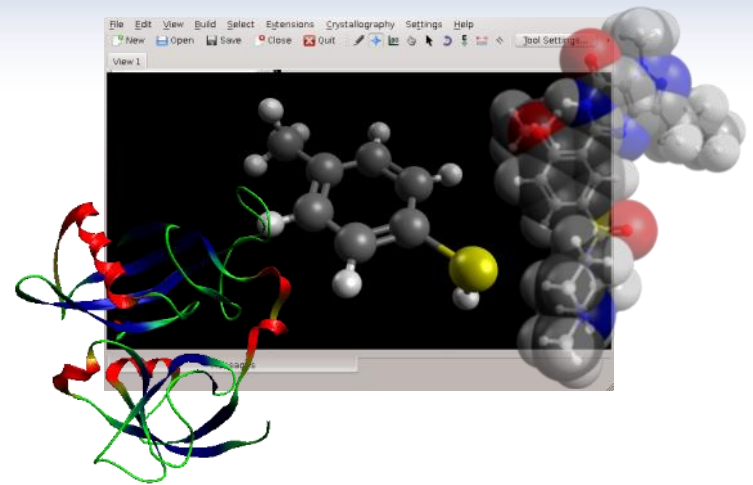- Automated image processing
- Image-Guided Surgery

# **Kitware** - Data Modeling

## Expertise

- Image Analysis
- Image to Model Computation
- Big Data Statistics & Exploration
- Data Analytics

## Technology

- Computational Chemistry
- Bioinformatics
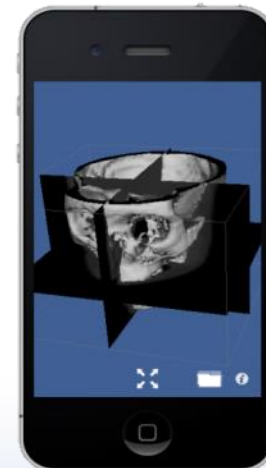- Information Analysis Software
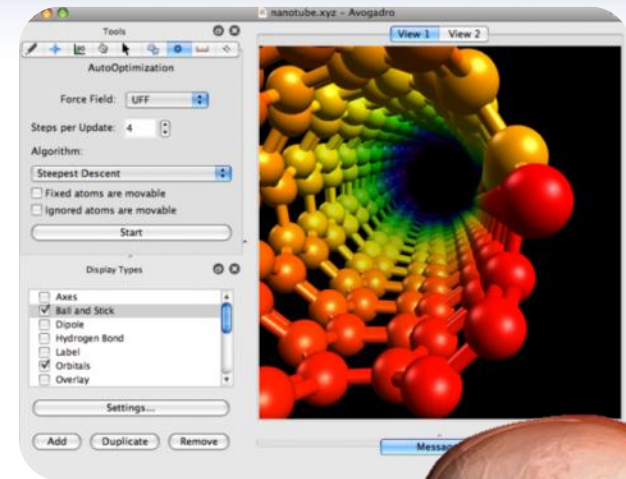- Omics Data Analysis Tools

# **Kitware** - Data Visualization

## Expertise

- Complex data visualization
- Data understanding
- Turnkey application
- Large data interaction
- Software integration

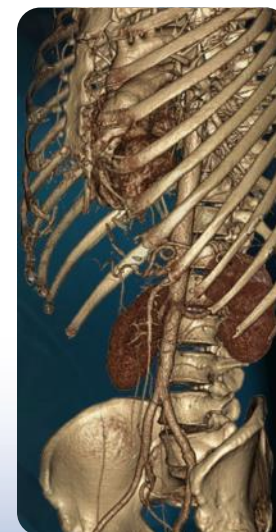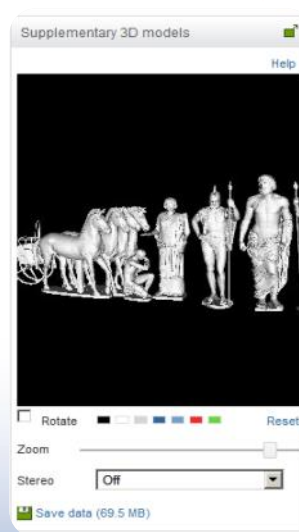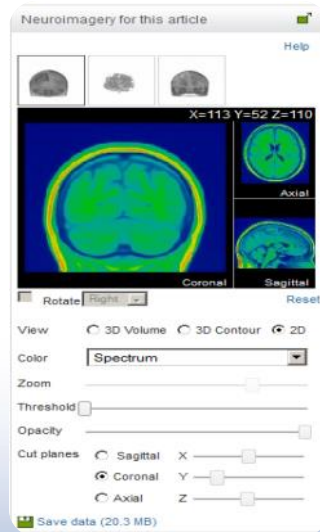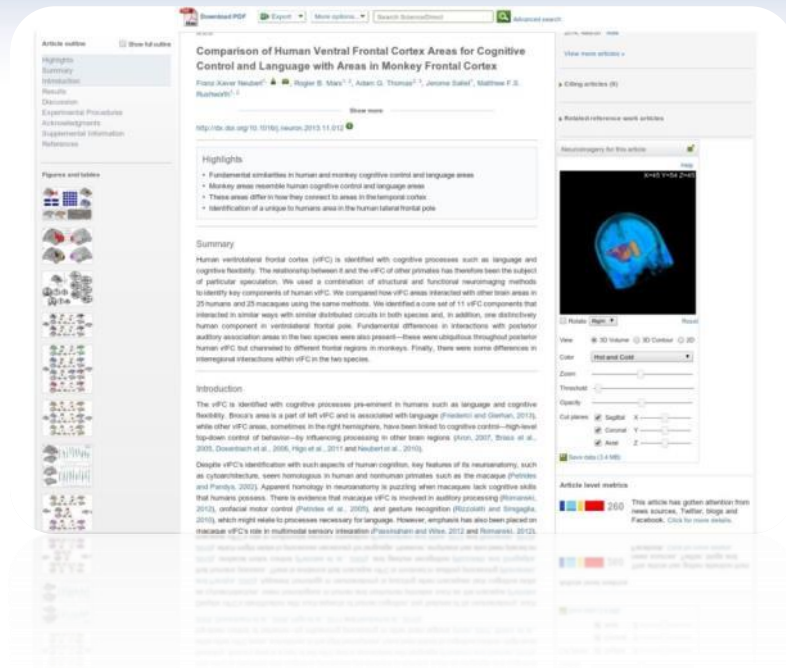## Open Source Technology

- Visualization Toolkit (VTK)
- Molecule Editor (Avogadro)
- Parallel Visualization (ParaView)
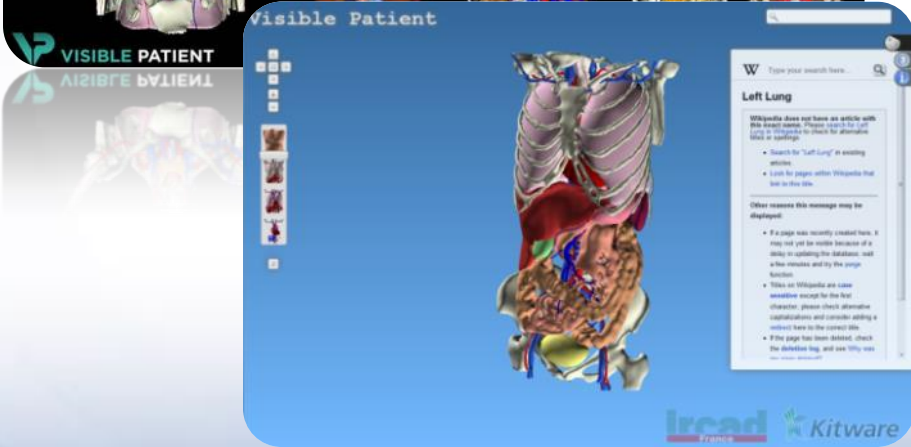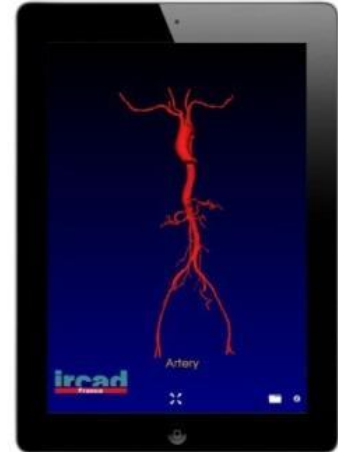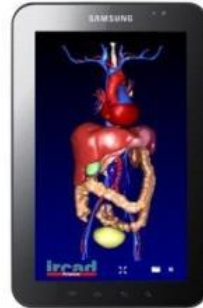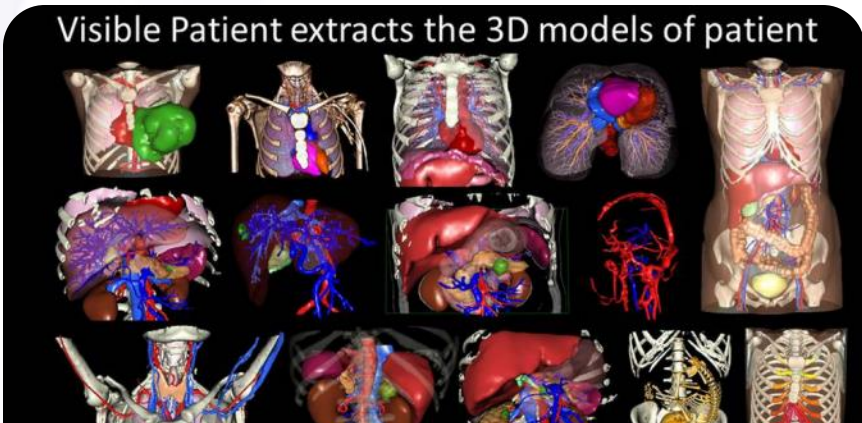- Mobile Visualization (VES)

# **Kitware** - Online Visualization

- Innovative Technology
- No plugin
- Works on all devices and browsers
- Instant Visualization (fast loading)
- Fully interactive visualization
- **http://www.webviz.org**

# **Kitware** - Example: Visible Patient



Image Processing → Patient Modeling → Visualization → Surgical Planning

Visible Patient extracts the 3D models of patient

# **Kitware** - Open-Source Benefits
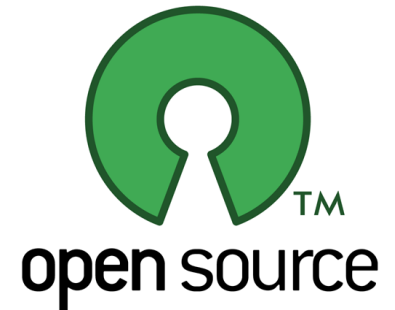
**Reduced Costs**

- No licensing fee

- Continuous Development

      (Visualization Toolkit: ~$100M)

- Maintenance

**No vendor or license lock-in**

**High quality software & code**

- State of the art algorithms

- Security & performance

**Rapid innovation**

# **Kitware** - Solutions & Services

## **Services**

- Software/Algorithms development
- Consulting
- Training
- Support
- Hosting (SaaS)



Development

Consulting

Training

Support

# Thank you!

**Julien Jomier, CEO Kitware SAS**
**julien.jomier@kitware.com**
**http://www.kitware.fr**