

Outreach at CERN

CERN Education

CERN Communications

CERN Experiments

Outreach at CERN

CERN Education

Exhibits

Special Events

Teachers and Schools

Educational Resources

Visit Service

CERN Communications

CERN Press

Press Relations

Social Media

Video & Photo Services

Web Presence

VIP Events

CERN Experiments

All of the Above *

2009 onwards

LHC Operation Milestones



Discoveries



2009 onwards



2009 onwards

Pop Culture References

U P E R C O L L I D E R



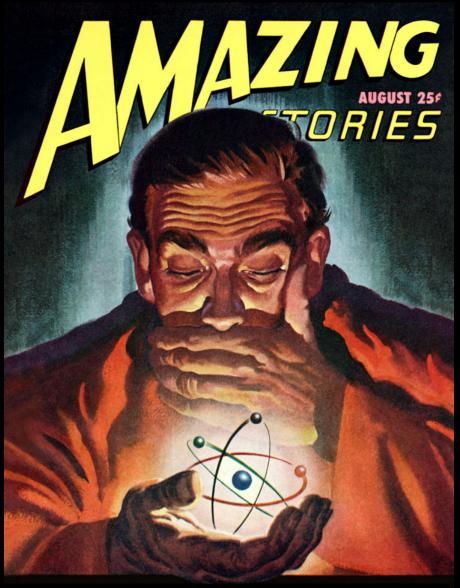
FROM THE AUTHOR OF THE DAVINCI CODE

MAY 15
AngelsAndDemons.com

2009 onwards

Doom and Gloom





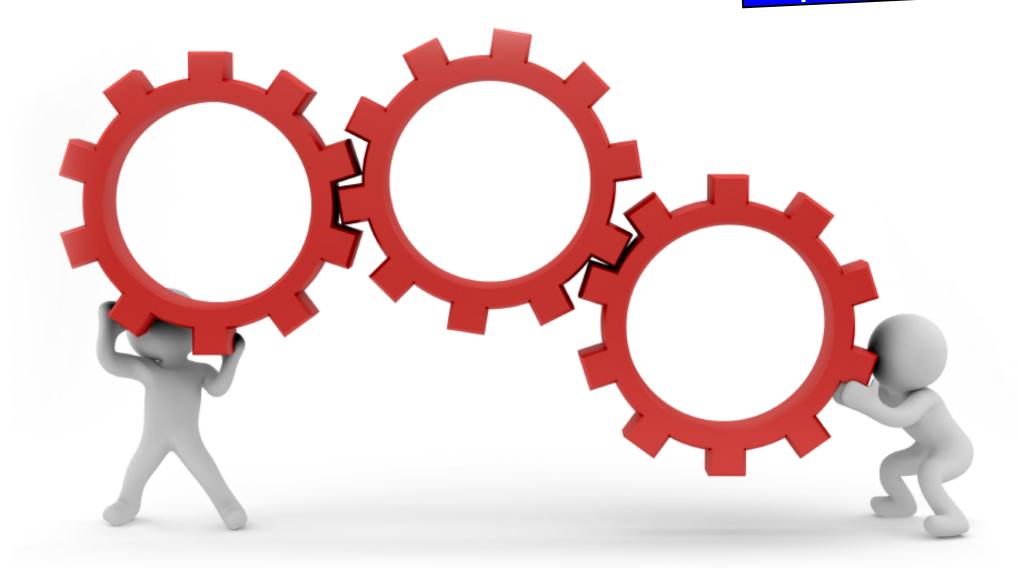
The Ghastly Future of Man if Science Goes Unchecked SO SHALL YE REAP! by ROG PHILLIPS

Synergy

Synchronize

Share

Specialize



The Education Upgrade

Exhibit Content

In-House Expertise

Educational Resources

State-Of-The-Art Tools

Visualizations

Animations

Research

Development

Deployment

Support

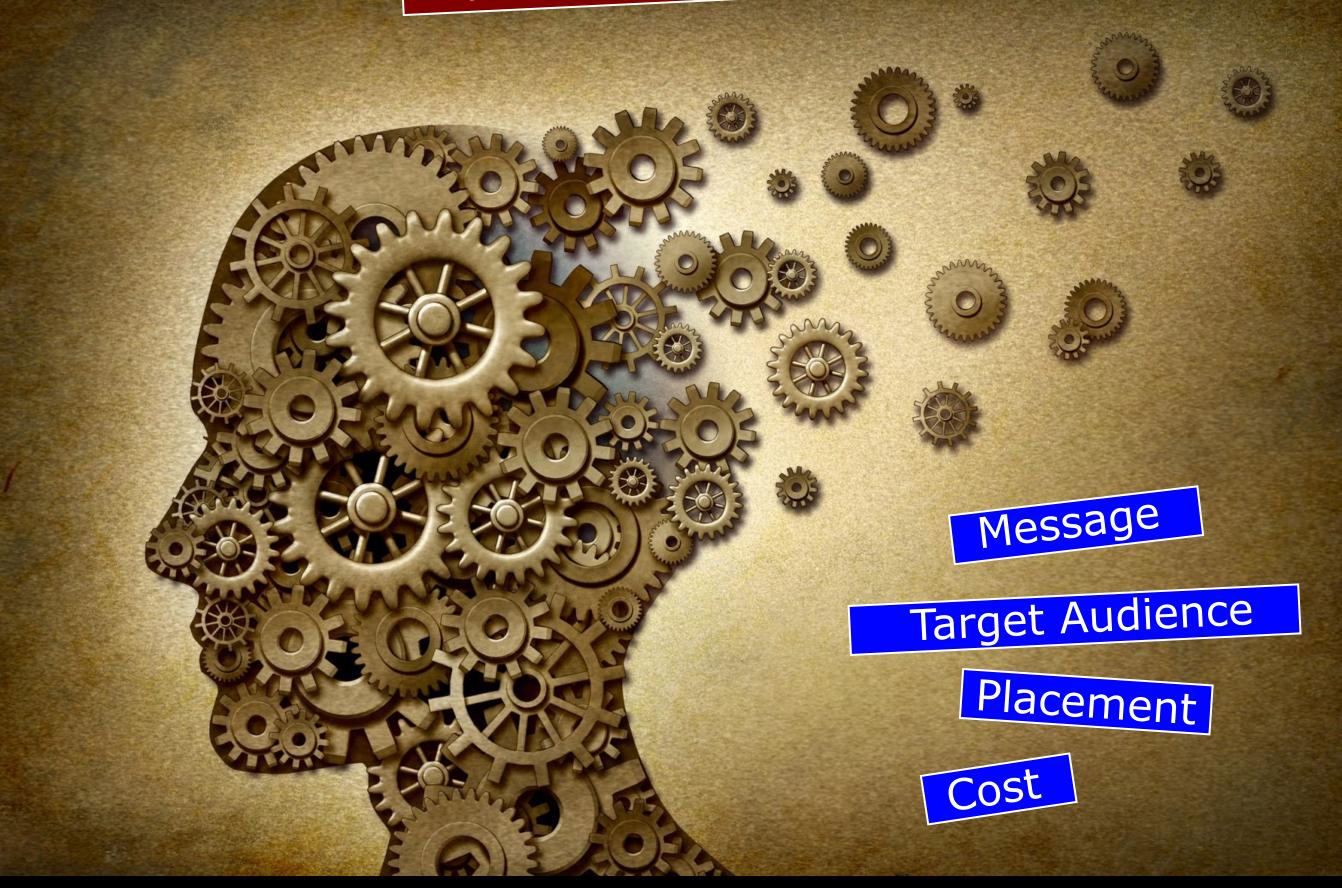
CERN Media Lab - Original



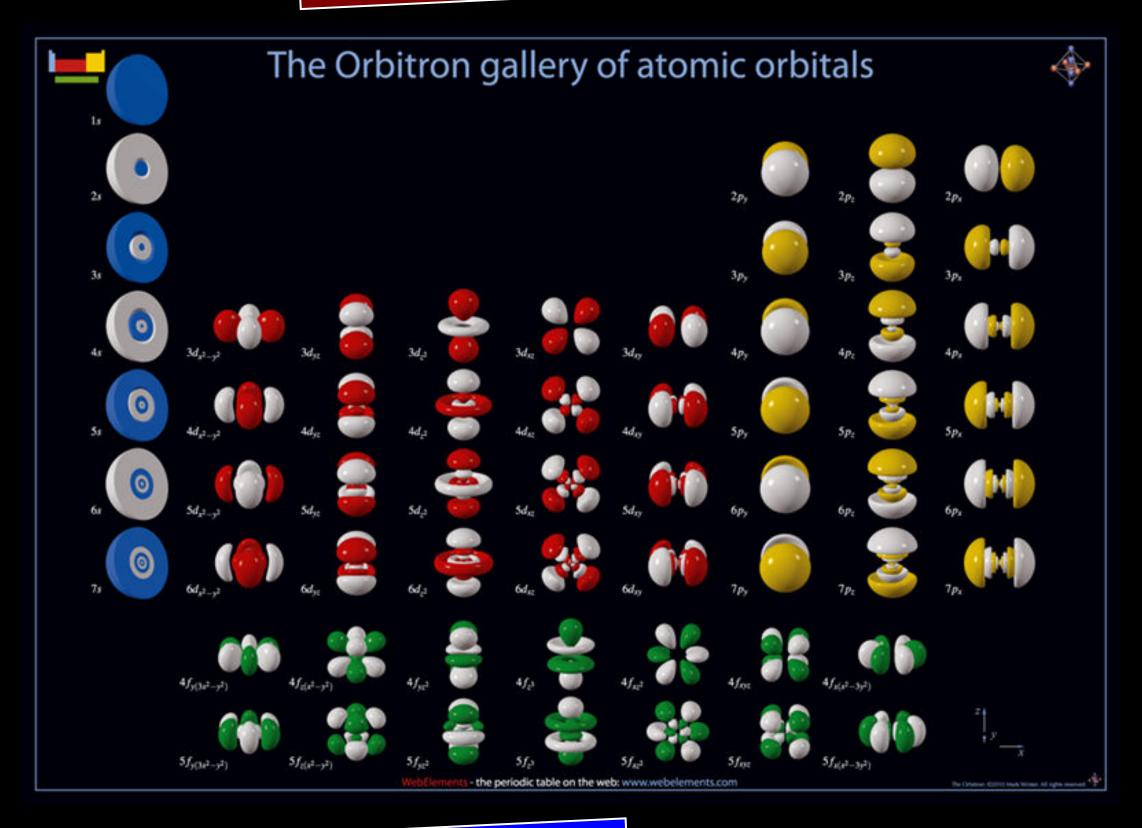




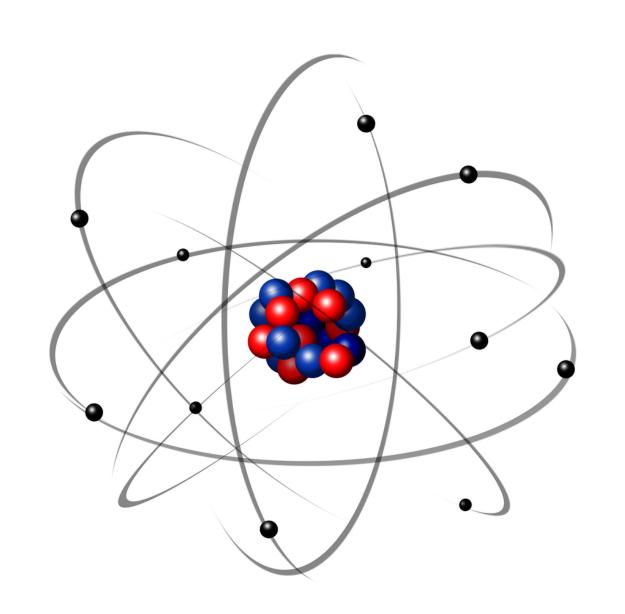
Path - Planning Factors



Path - Information



Path - Information



Selected

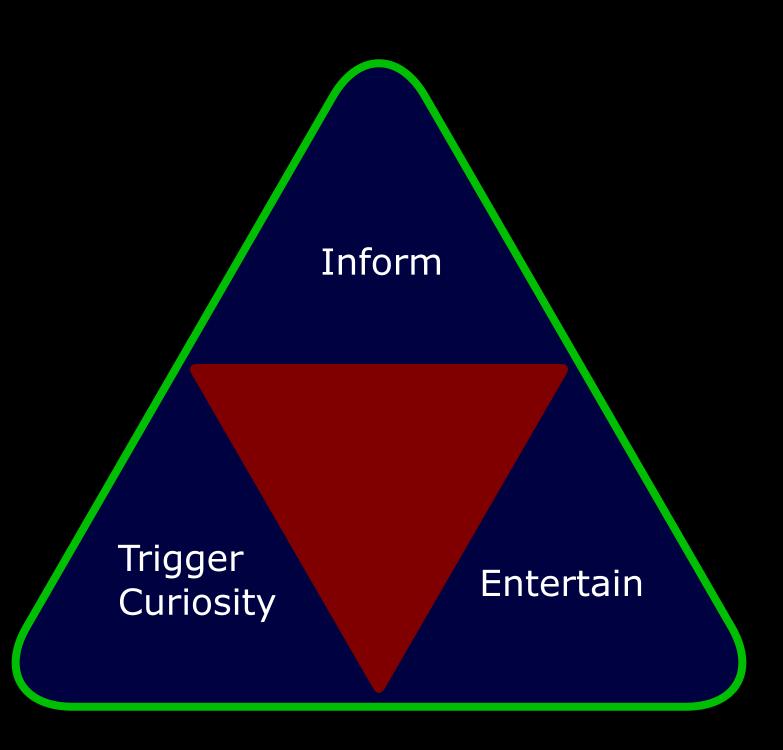




Path - Relatability



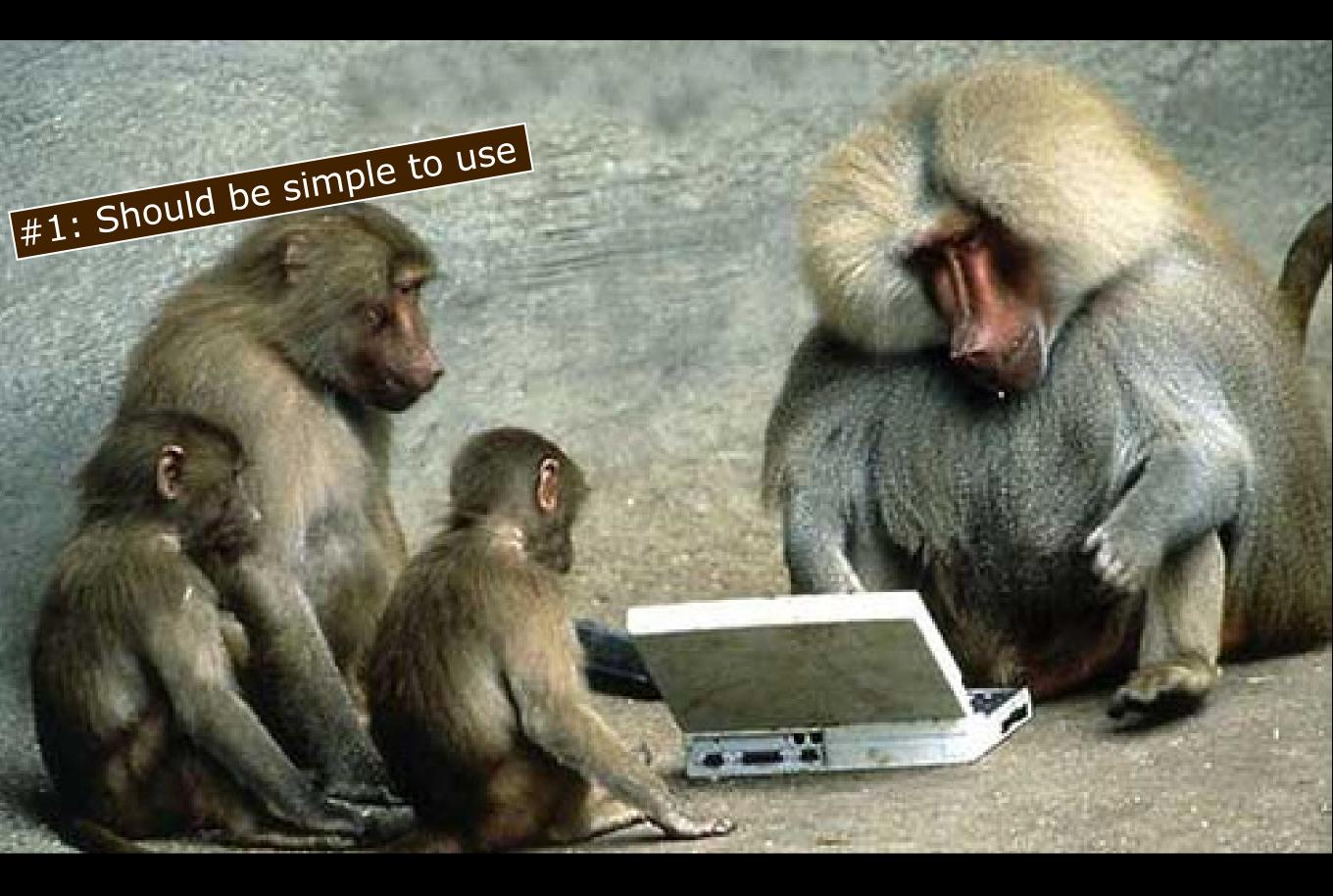
Path - Objectives





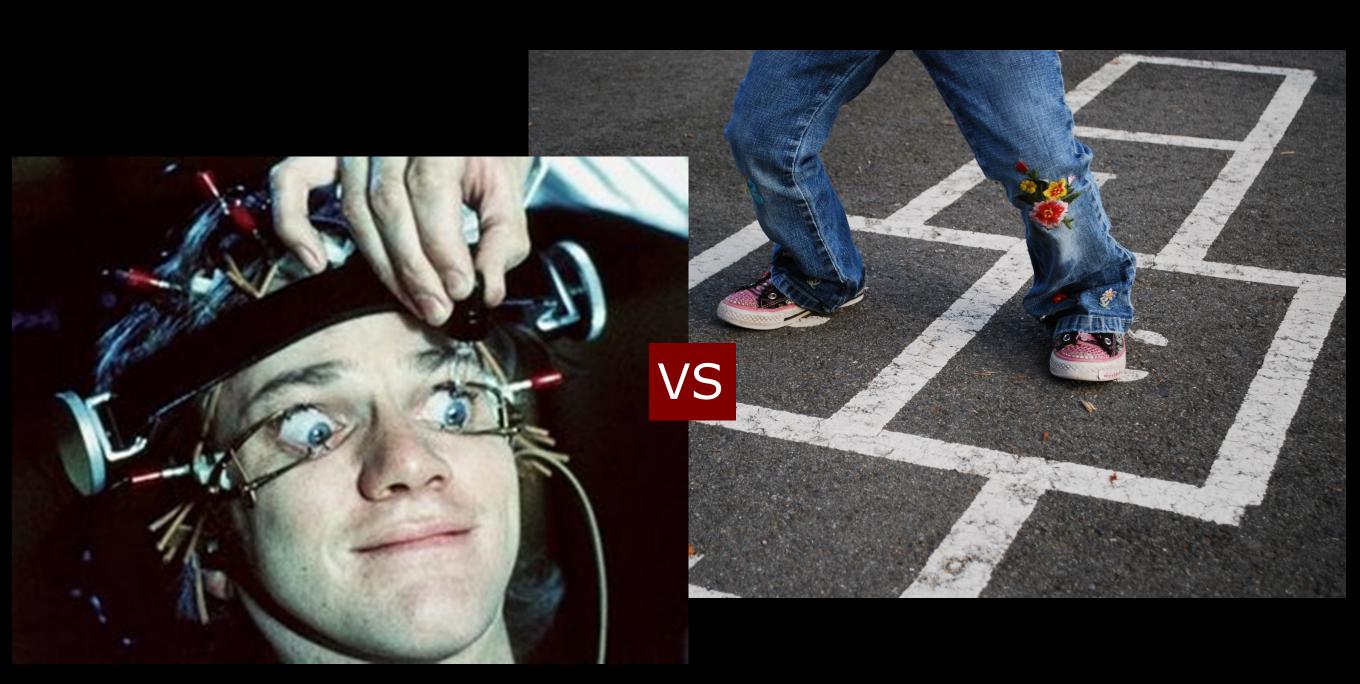
Tools:

Principles



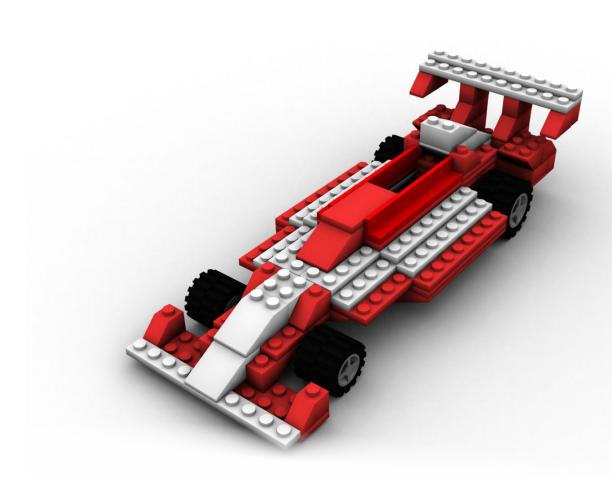


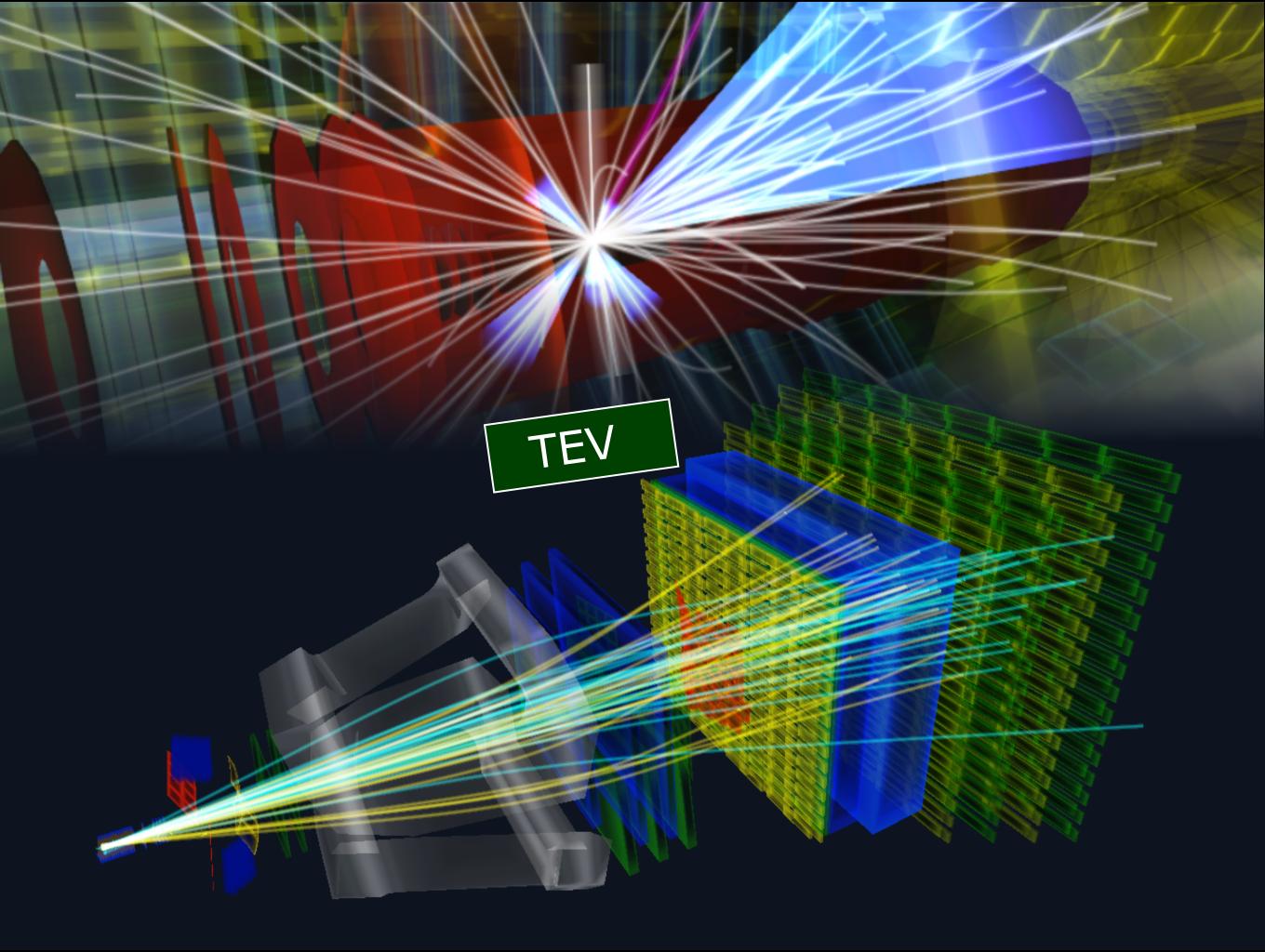
#3: Engage users the right way

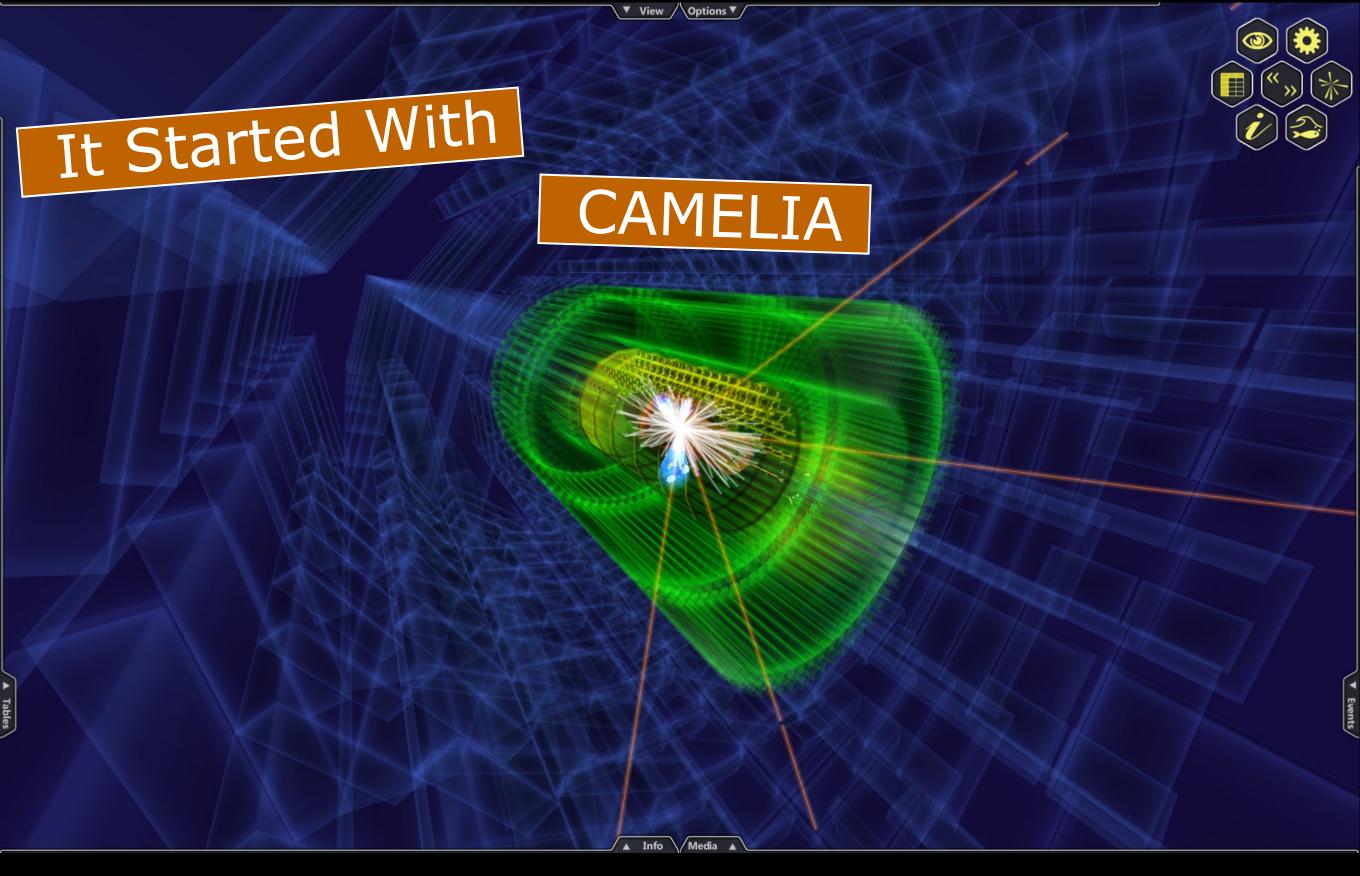


#4: Flexible. Usable in many scenarios







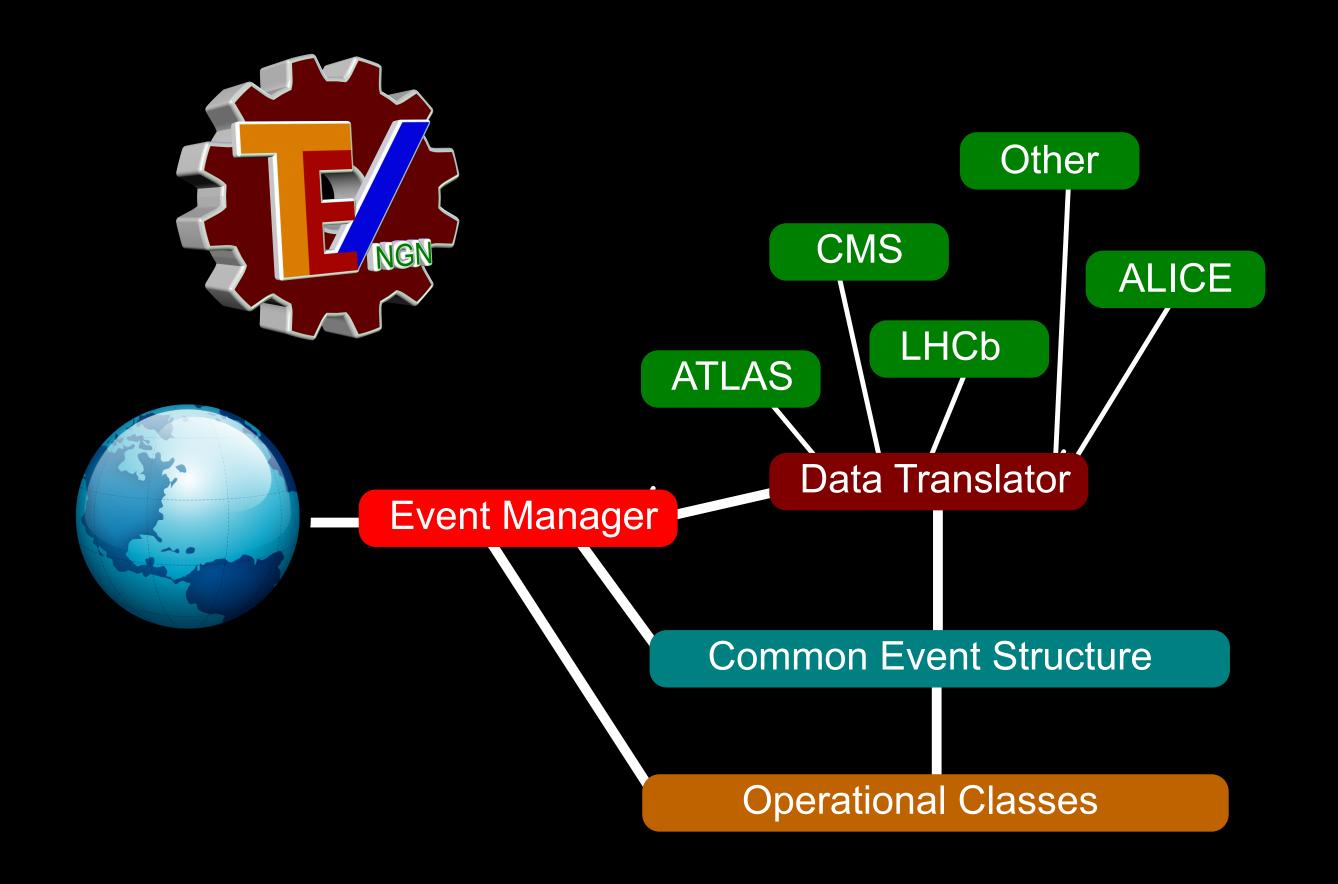




Cross-platform Atlas Multimedia Educational Lab for Interactive Analysis

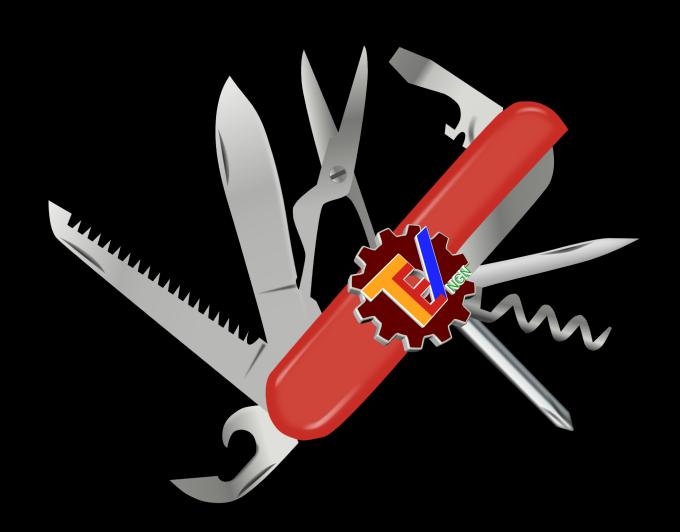




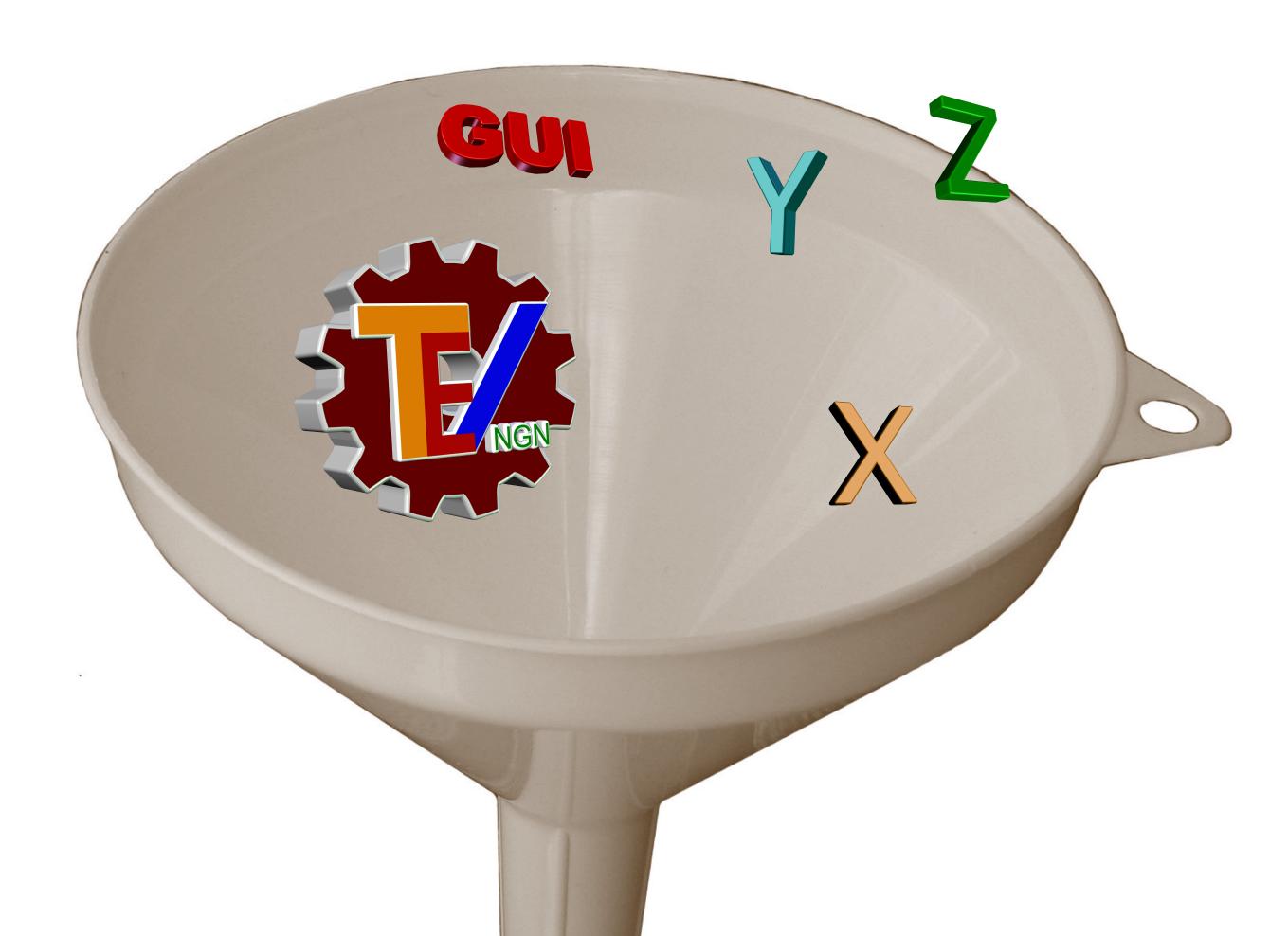


TEV is an

All-In-One Tool

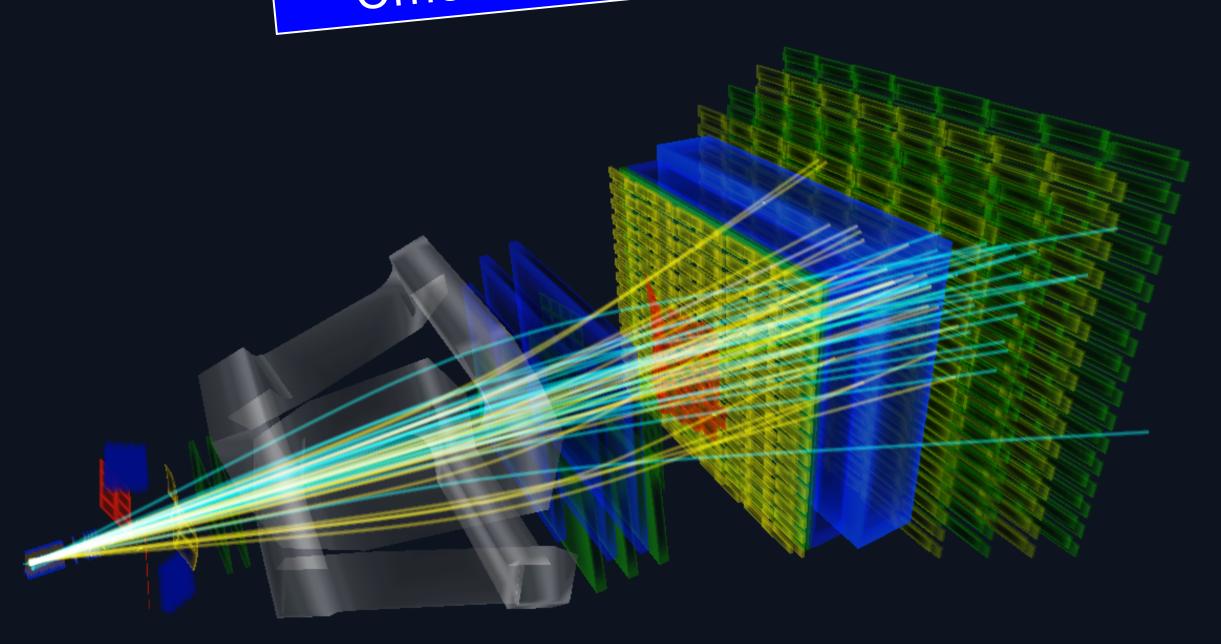


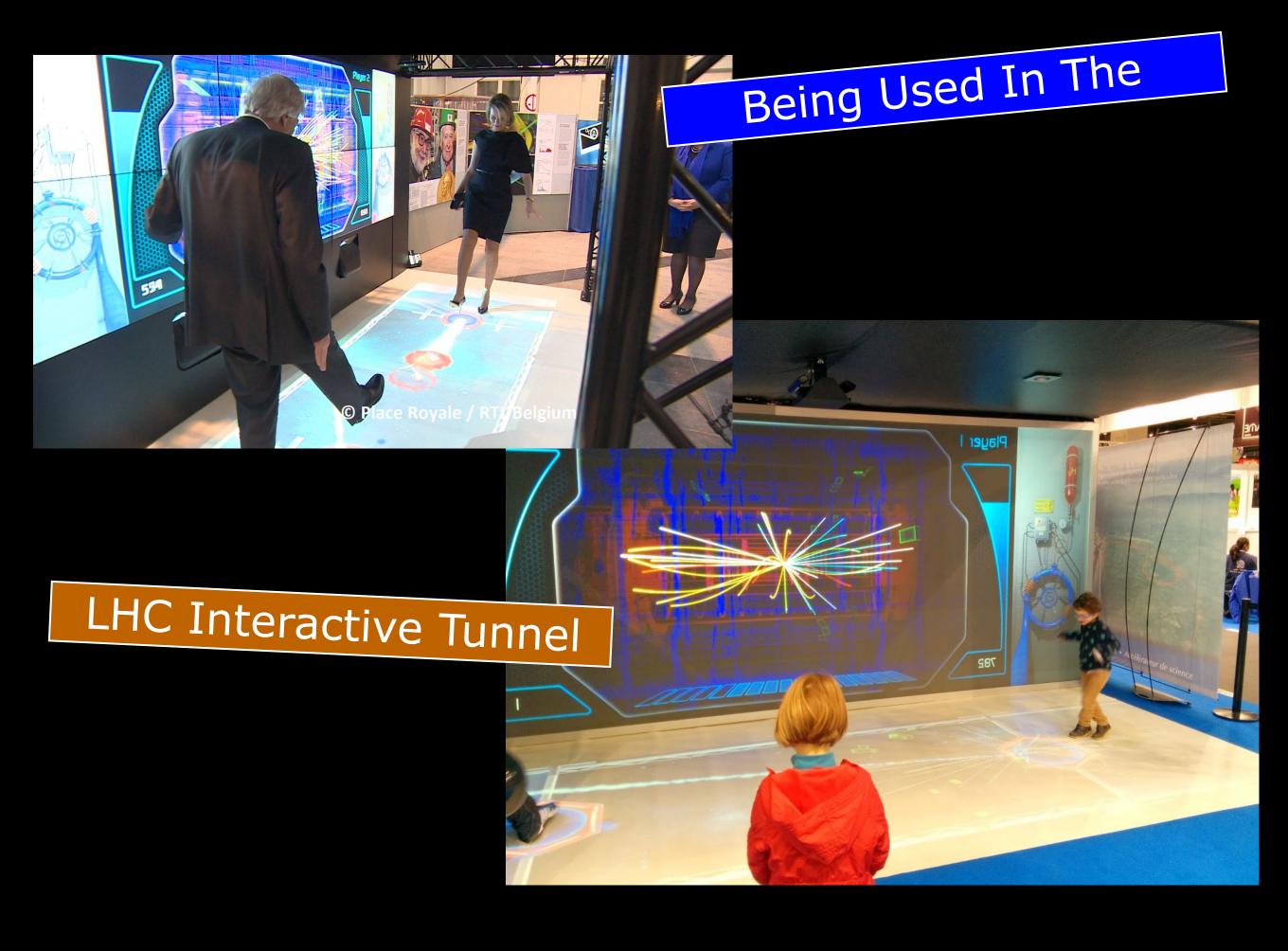
Made with Unity





Official LHCb Tool

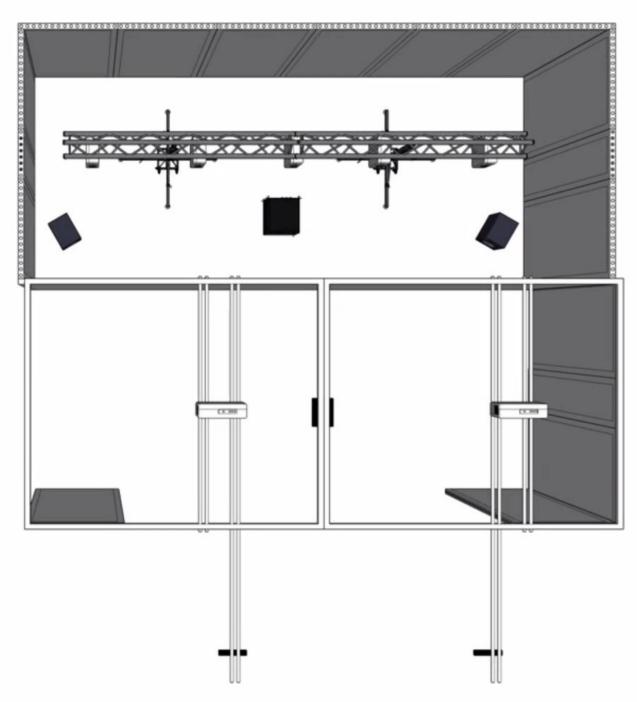




// DIMENSIONS

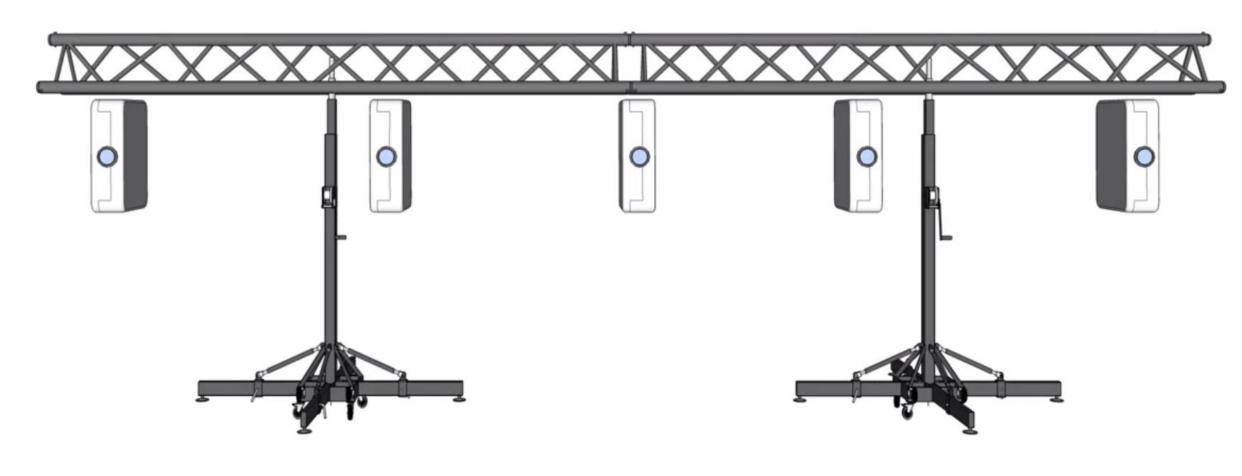
- Height 3m
- User area $6m \times 2.5m$
- Total floor area 6m x 6m

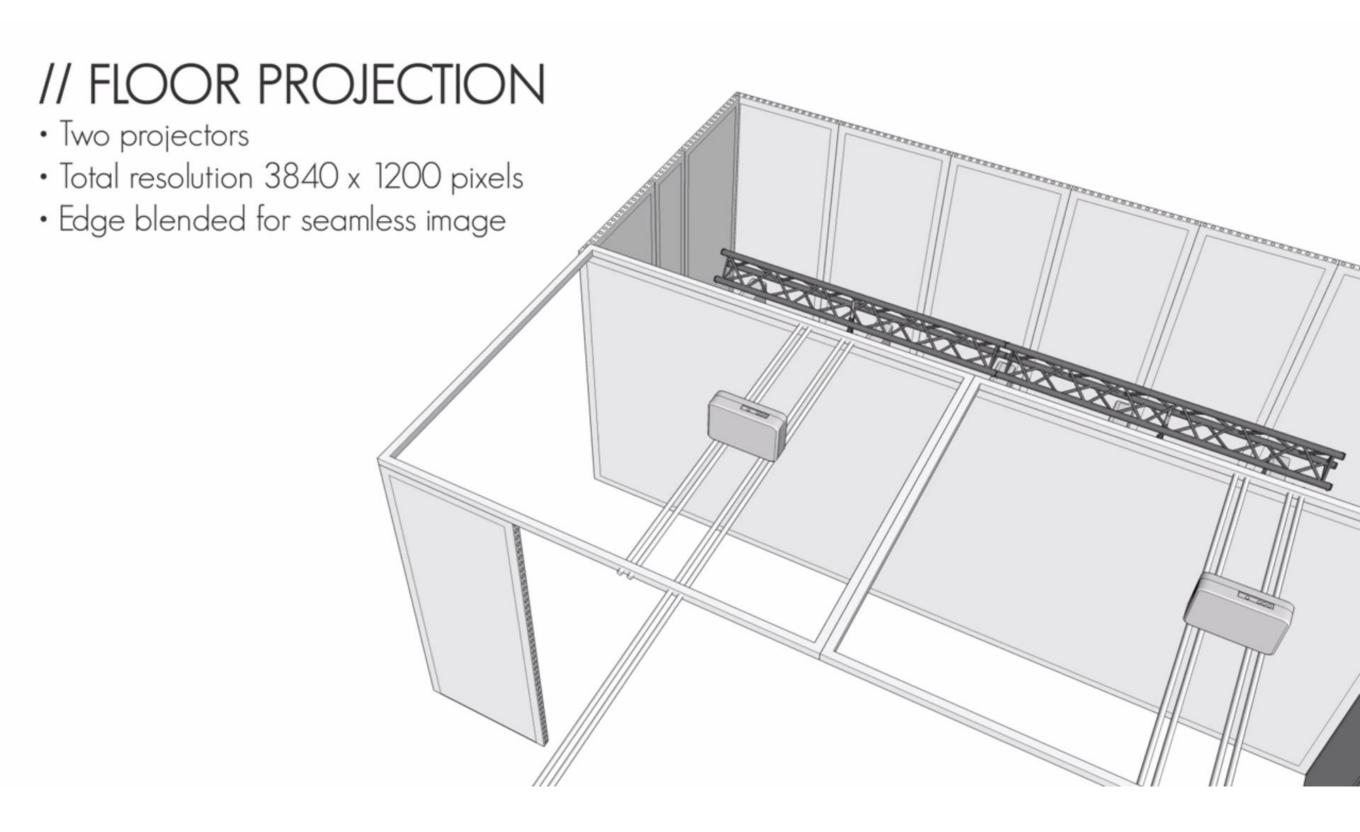




// FRONT SCREEN

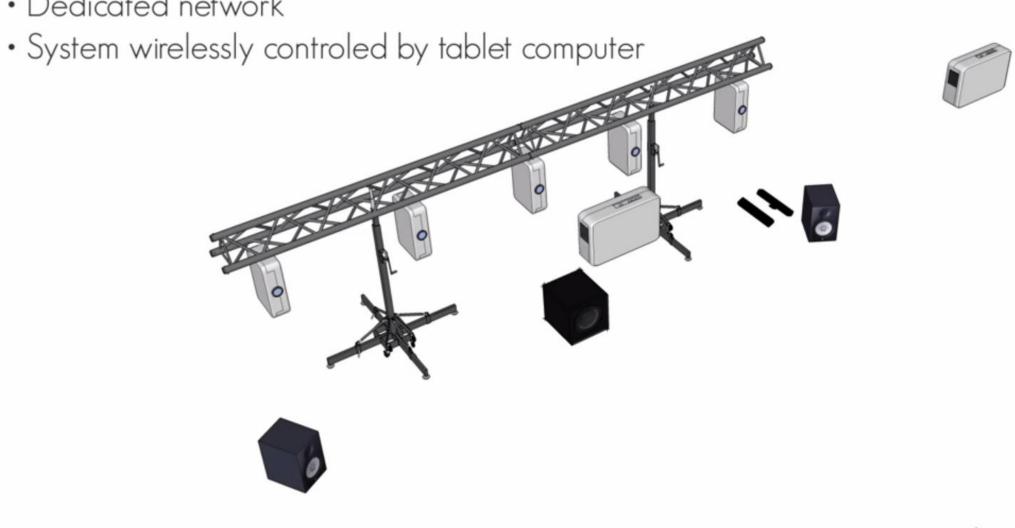
- Five projectors
- Total resolution 6000 x 1920 pixels
- Rear projection prevents user shadow
- Edge blended for seamless image



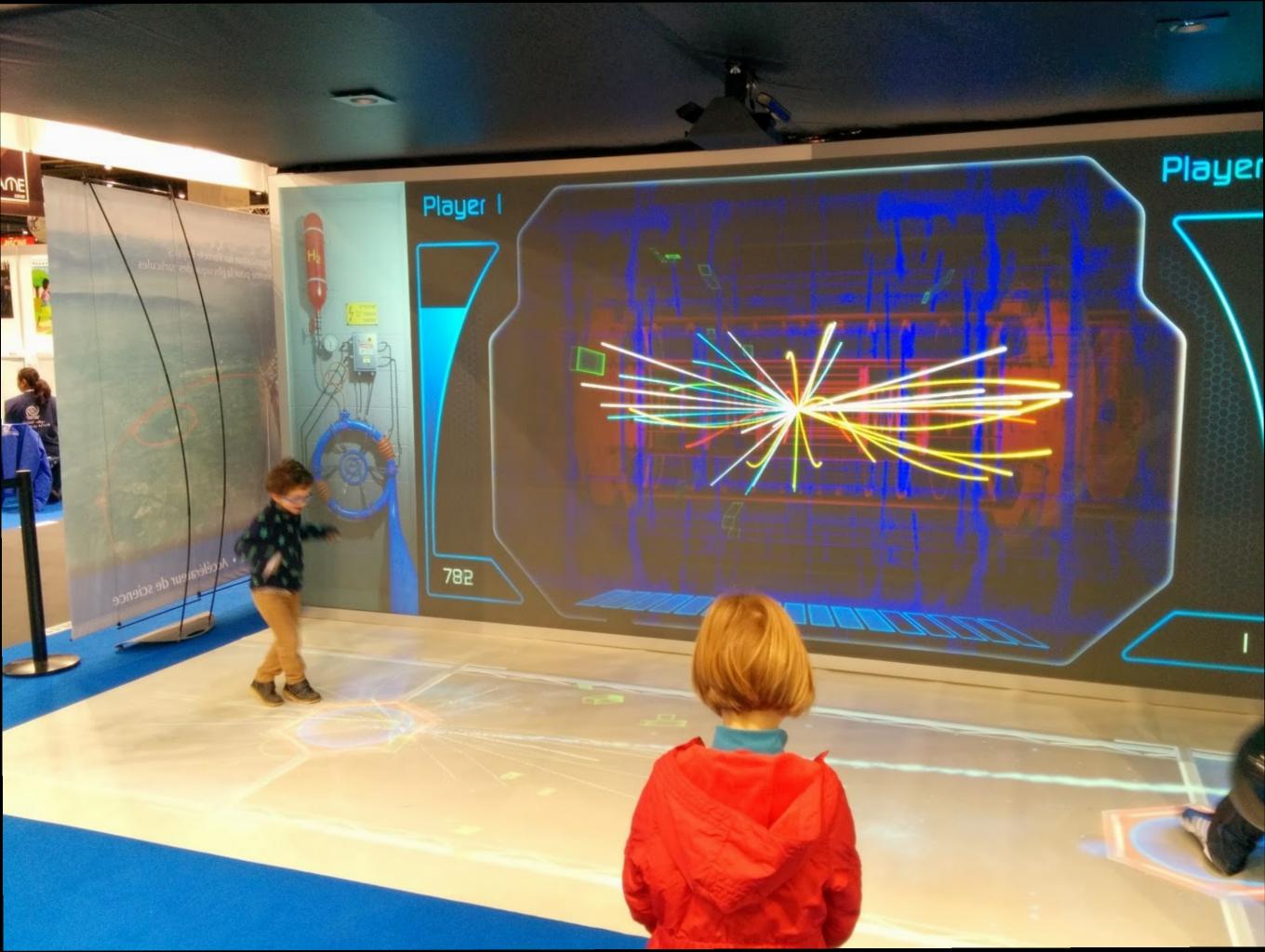


// COMMUNICATION

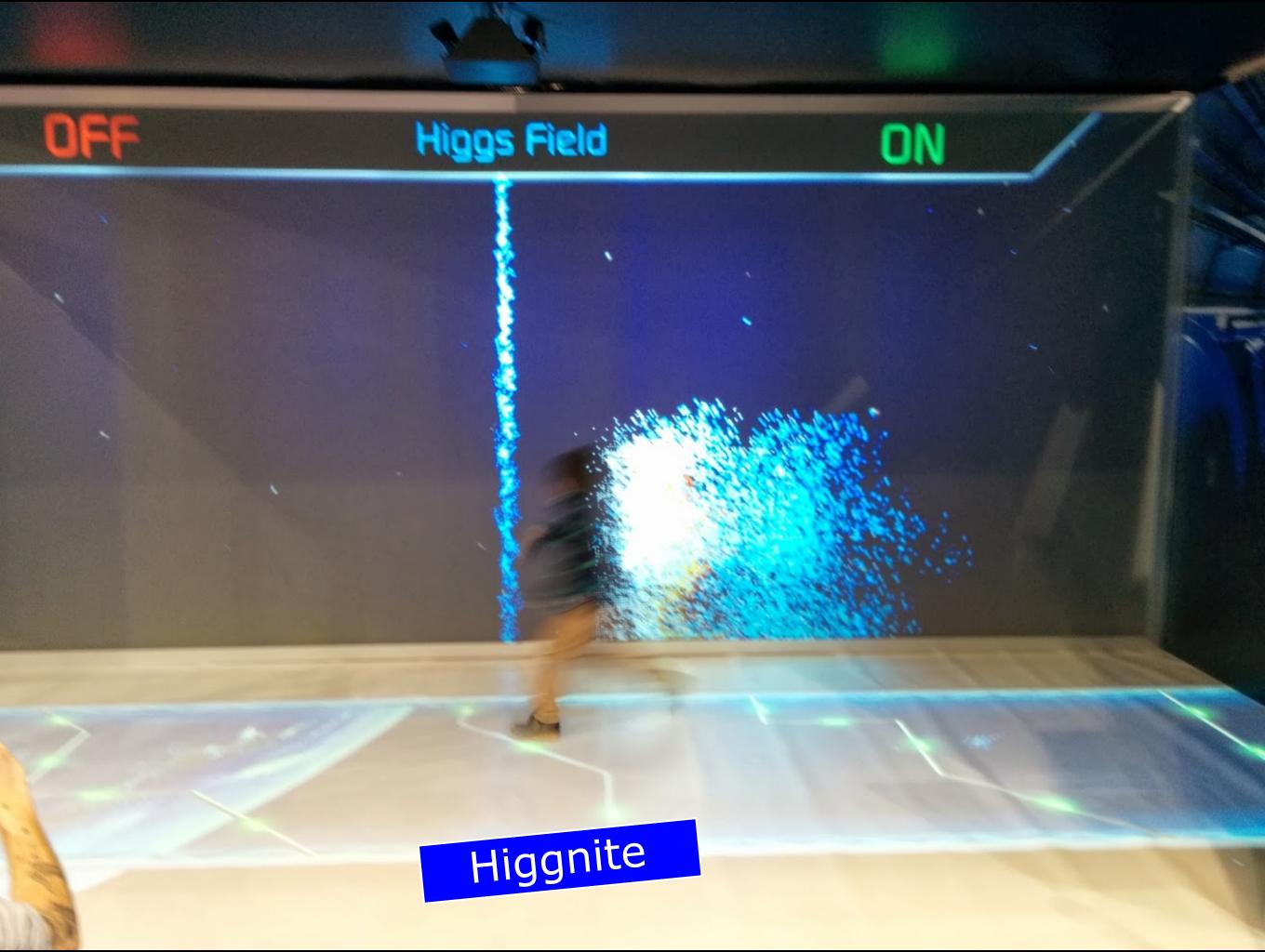
- Four computers
- Dedicated network















Frankfurt Book Fair

Annecy La Turbine

Point 5

Copernicus Science Center

Meyrin Shopping Ctr

Welios Science Centre (Austria)

CERN Open Days 2013

Brussels Royal Academy of Sciences

NEMO Amsterdam Thessaloniki Intl Fair Fribourg University

Vienna Academy of Sciences

Heureka (Helsinki) University of Sofia

CERN Open Days 2014









Media

PRESentation

Interactive

Software



Many Other

Presentation Softwares

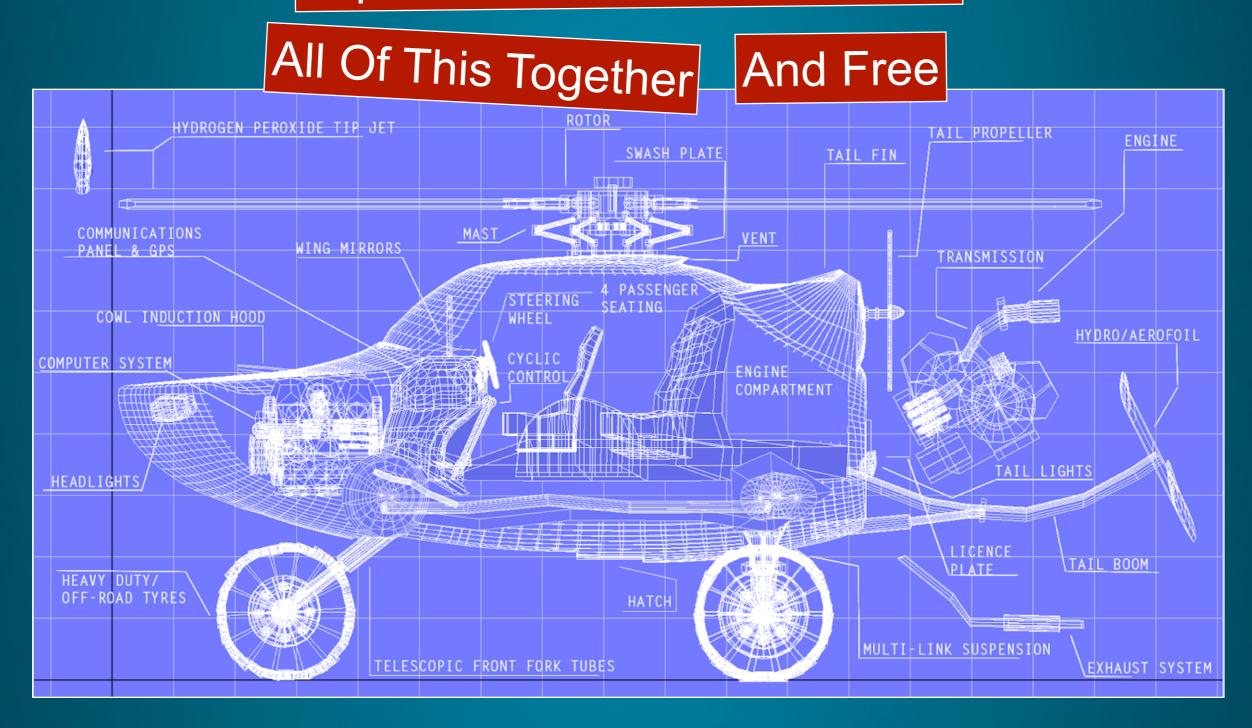
Why Build



A Car Analogy



Impress Was Conceived To Be



Media-Oriented

Images

Videos

PDFs

3D Scenes

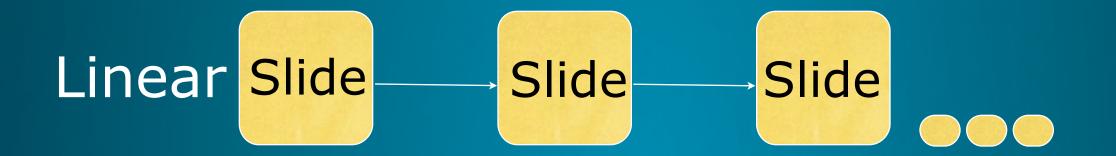
Sound

Text

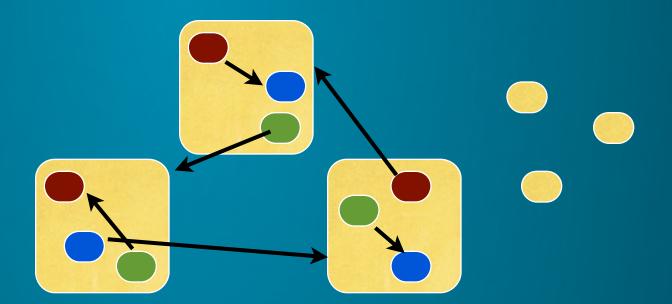








Non-Linear

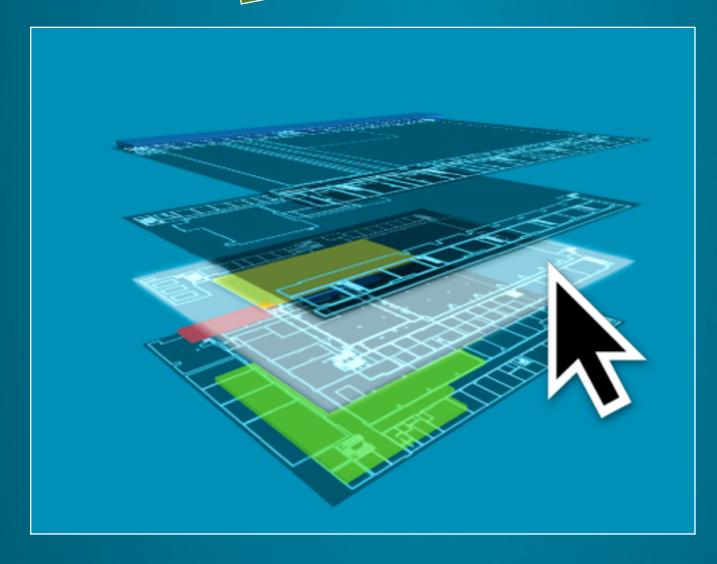




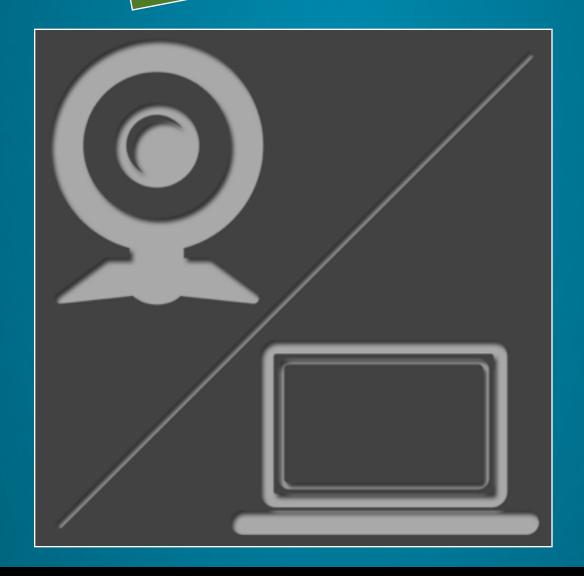
OSC communication



3D Interfaces



Frame Grabber





COP

(Controller Of Presentation)



Respect my autoritah!

A master slide whose elements

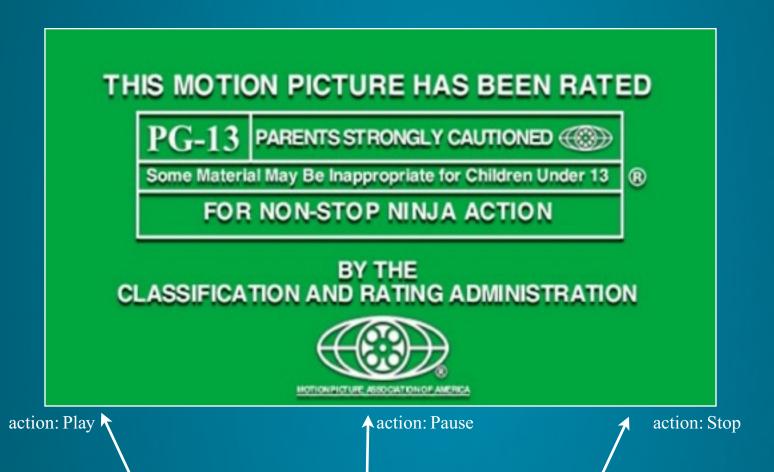
are present throughout the presentation

Can be used for controls and navigation

Multilingual Support







trigger: Click

trigger: Click



trigger: Click

Latin American School Natal, Brazil, 2011 CERN Education Activities CERN School of 回 Beta Testing

Where

Impress at the special visit points on

Data Centre

AMS

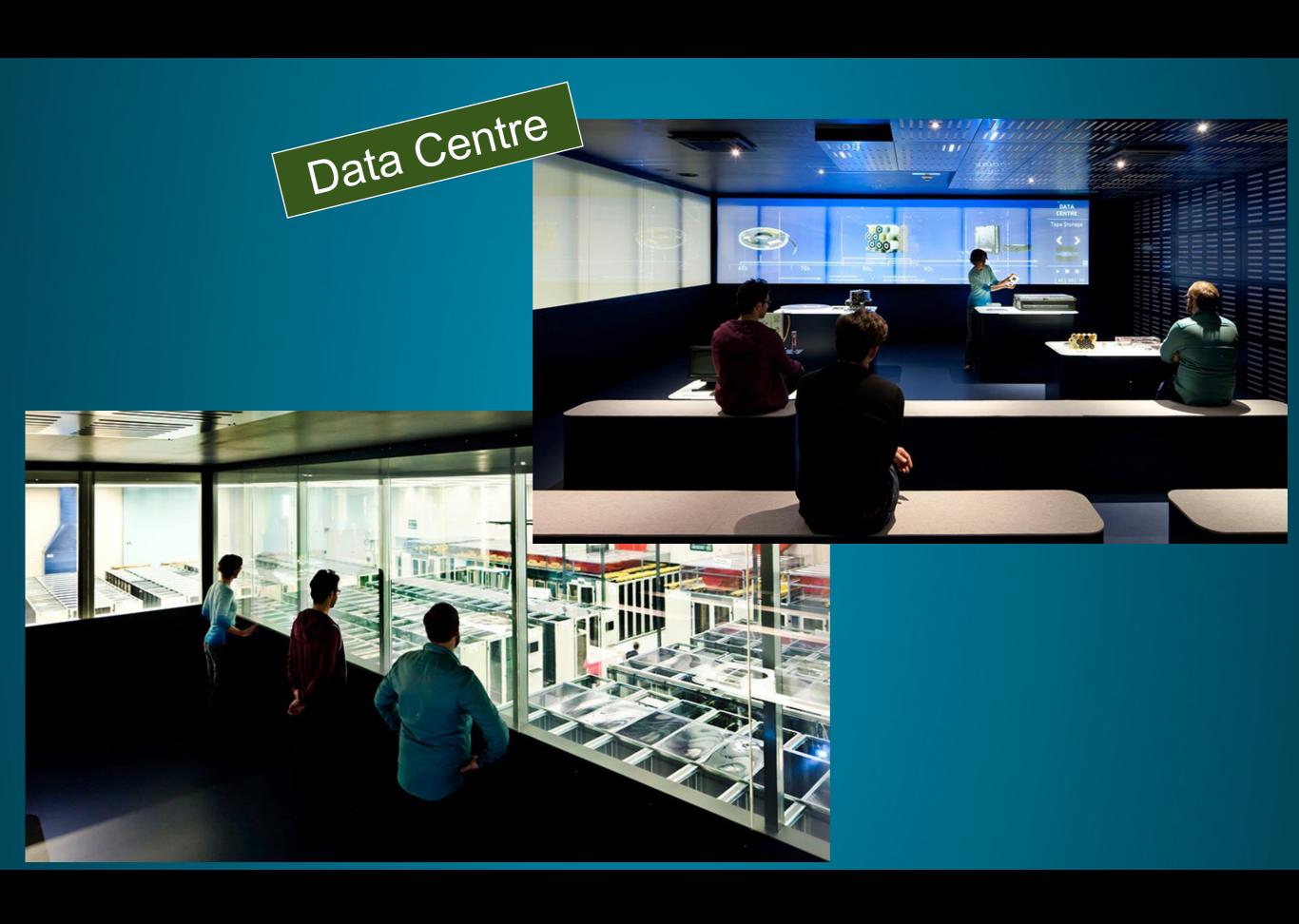
CLIC



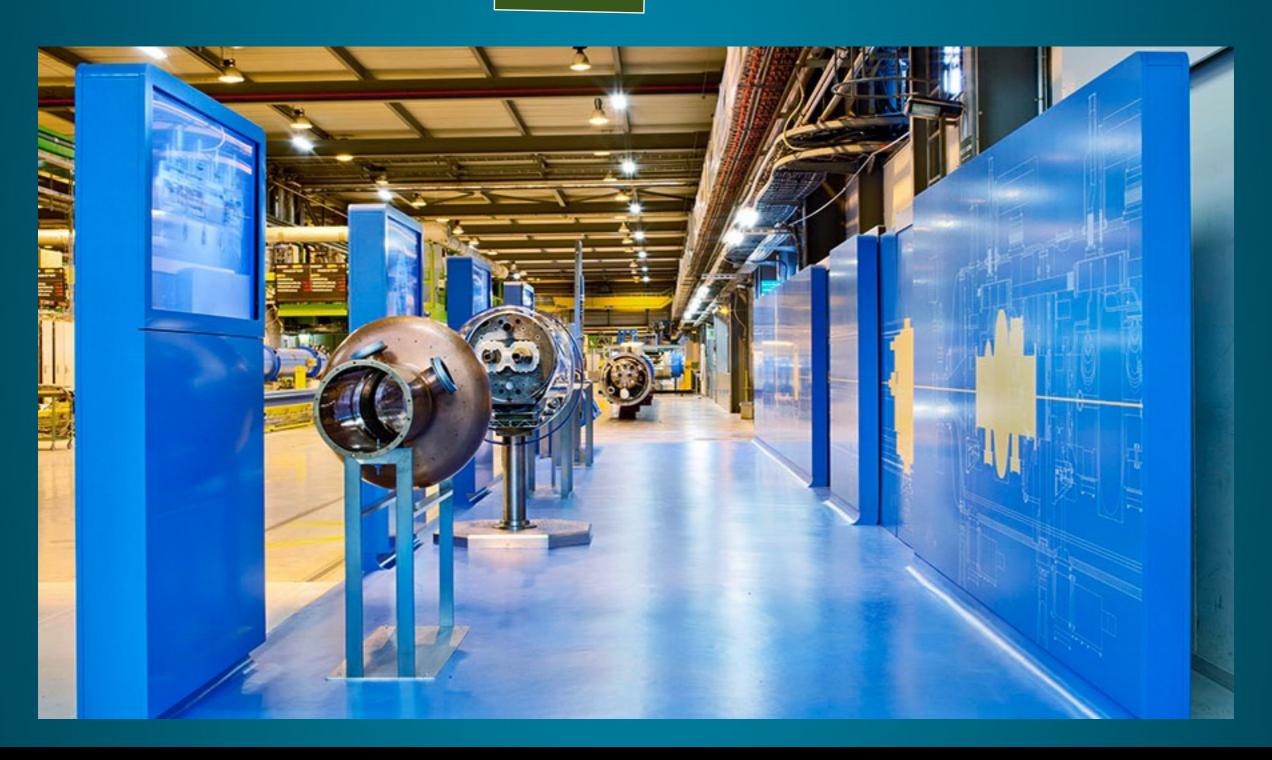
SM18

Data Centre

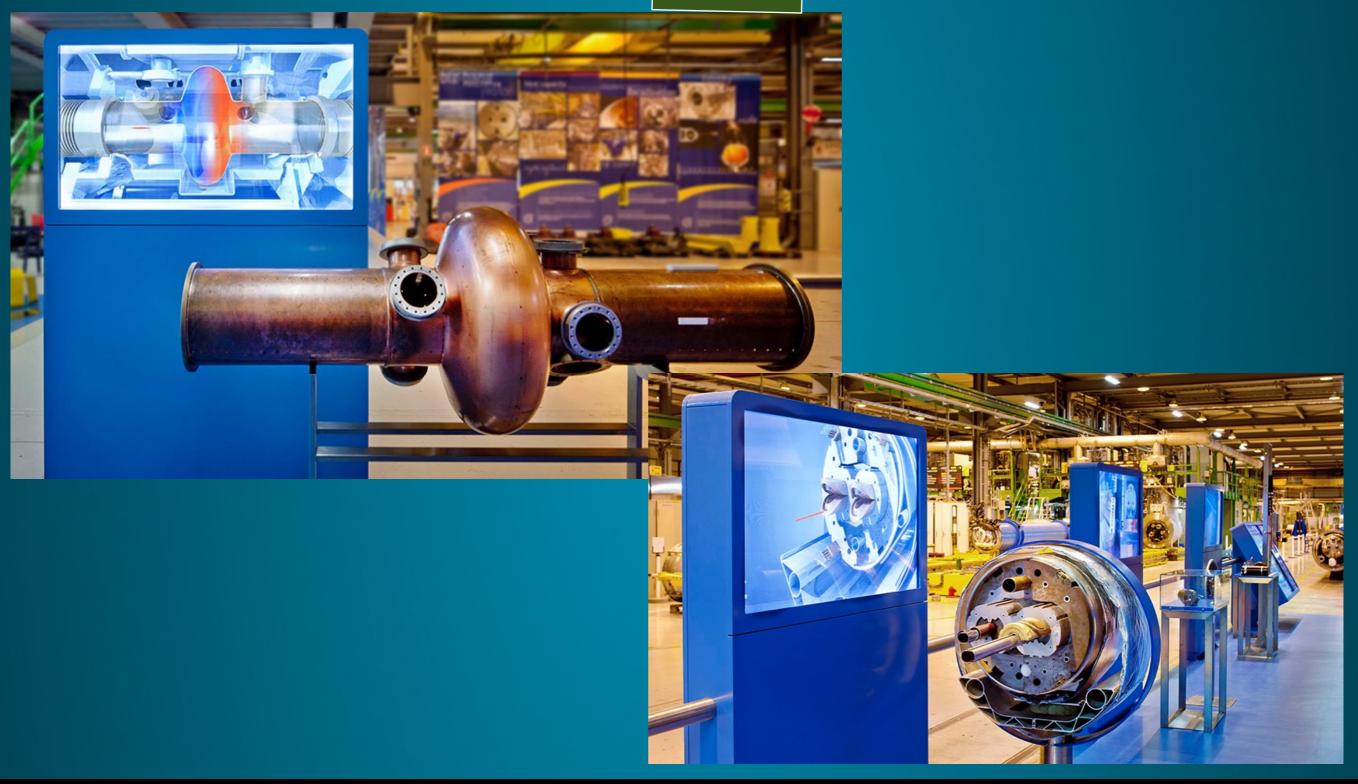




SM18



SM18



CCC



CCC

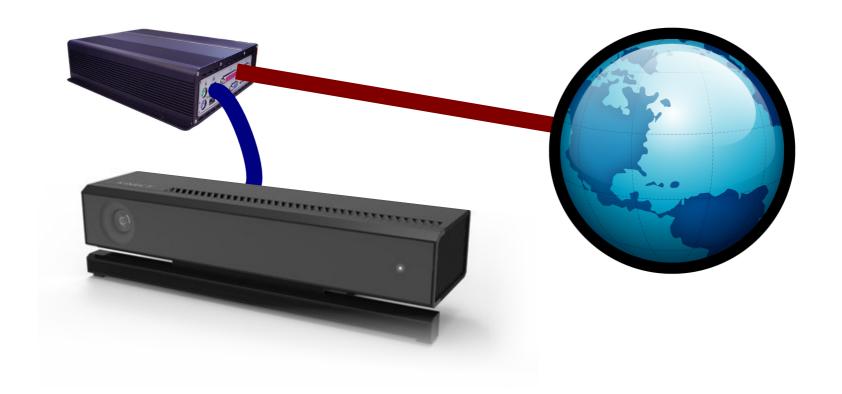


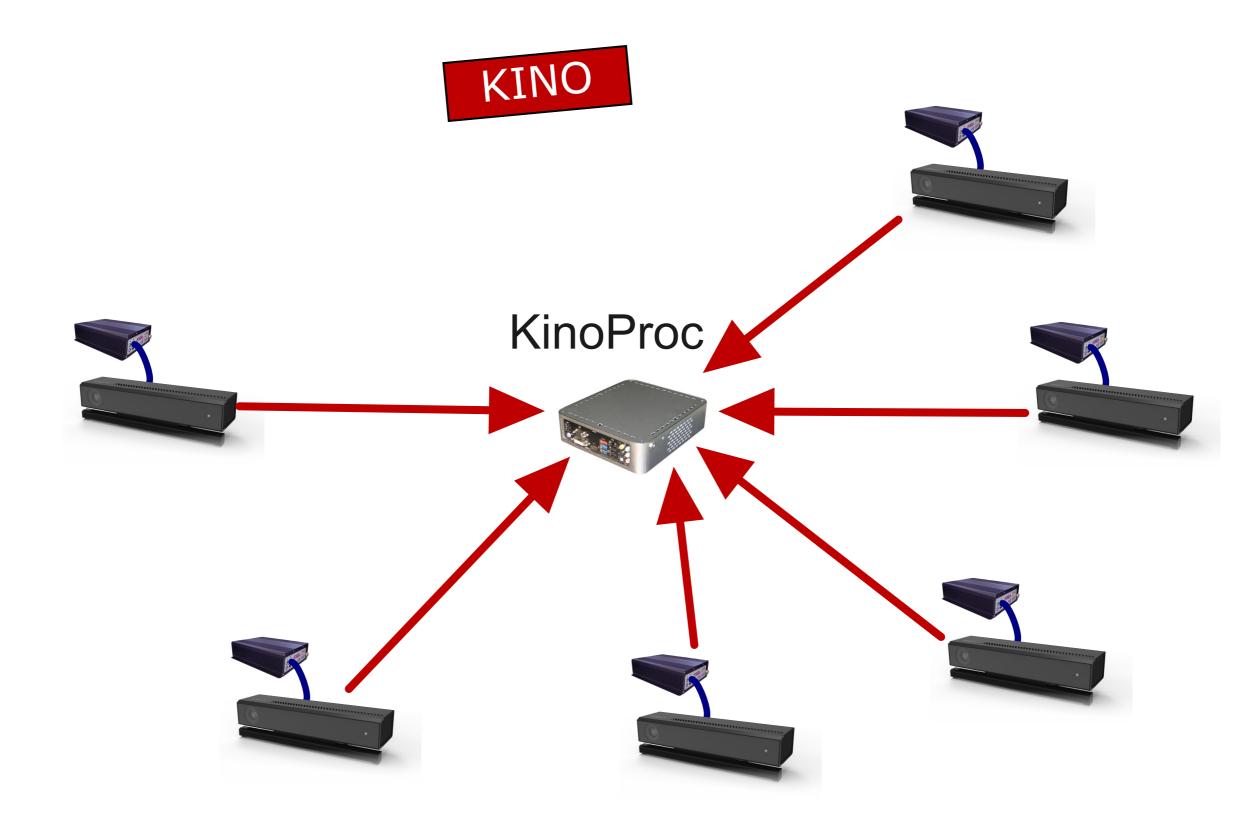






(KInect NOde)





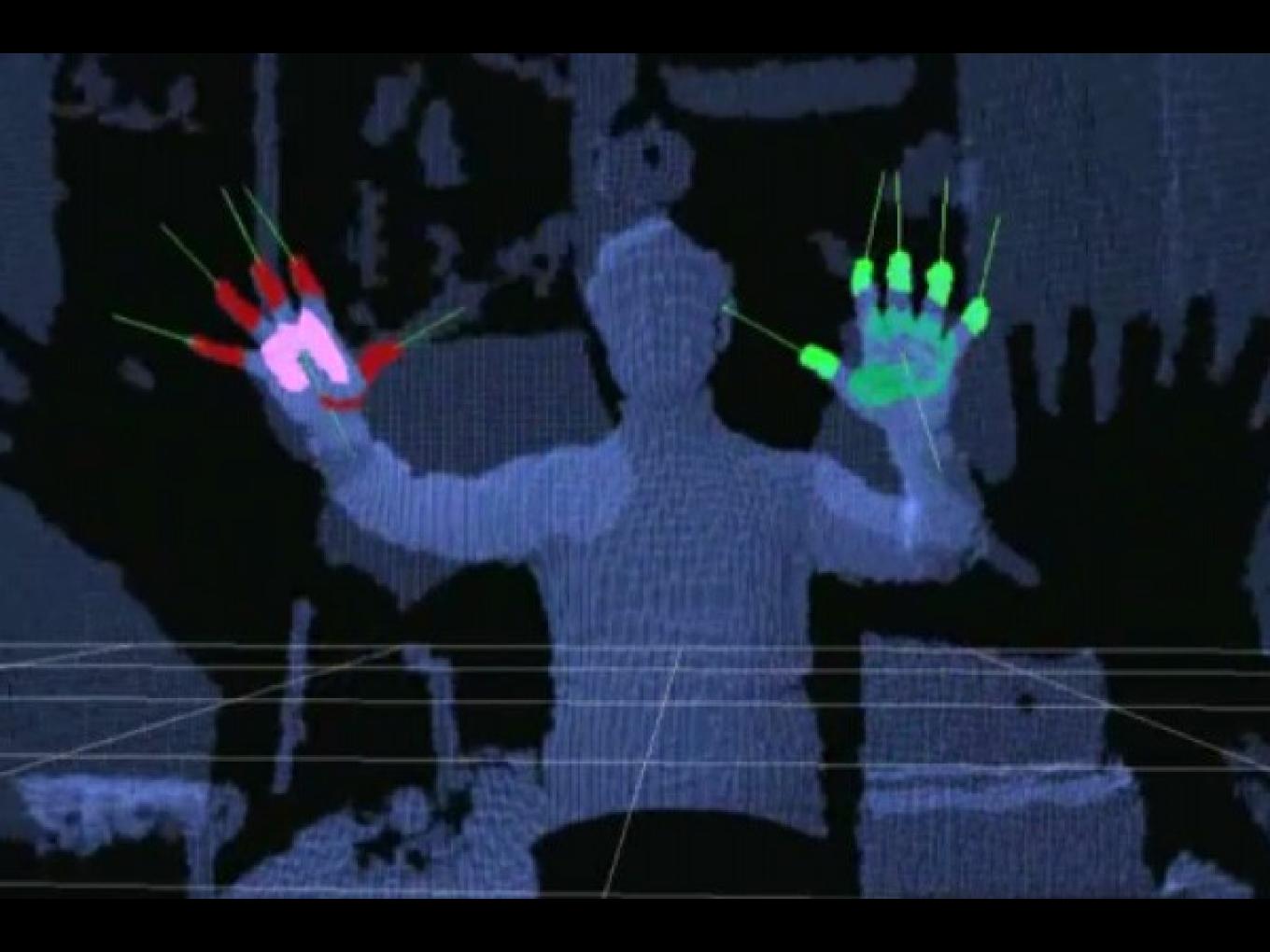


(Joint Extension Distant Interaction)









HEAL

Omnitouch

Dynamap

CHARM

Cookit



For more info, visit medialab.web.cern.ch