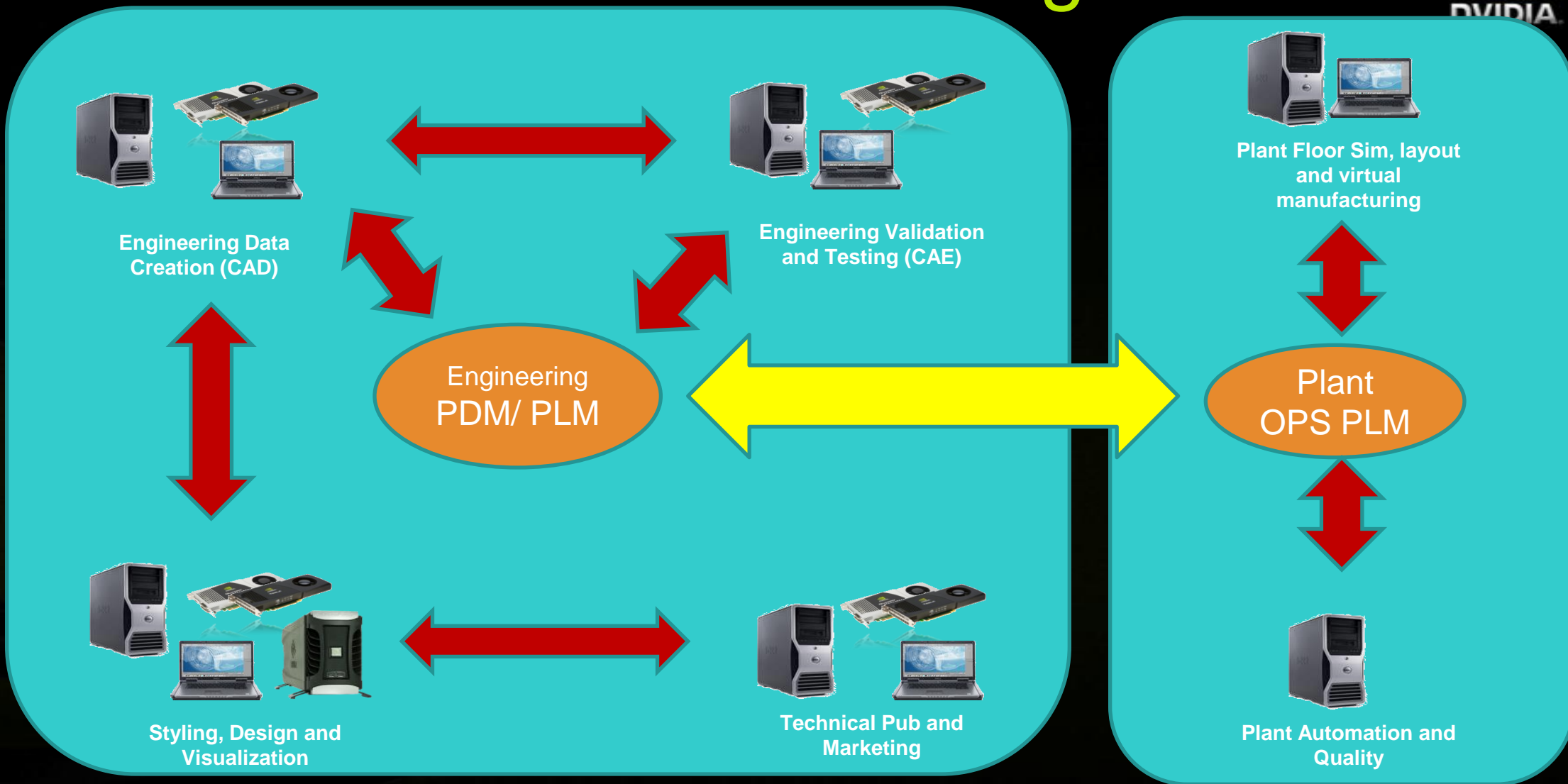




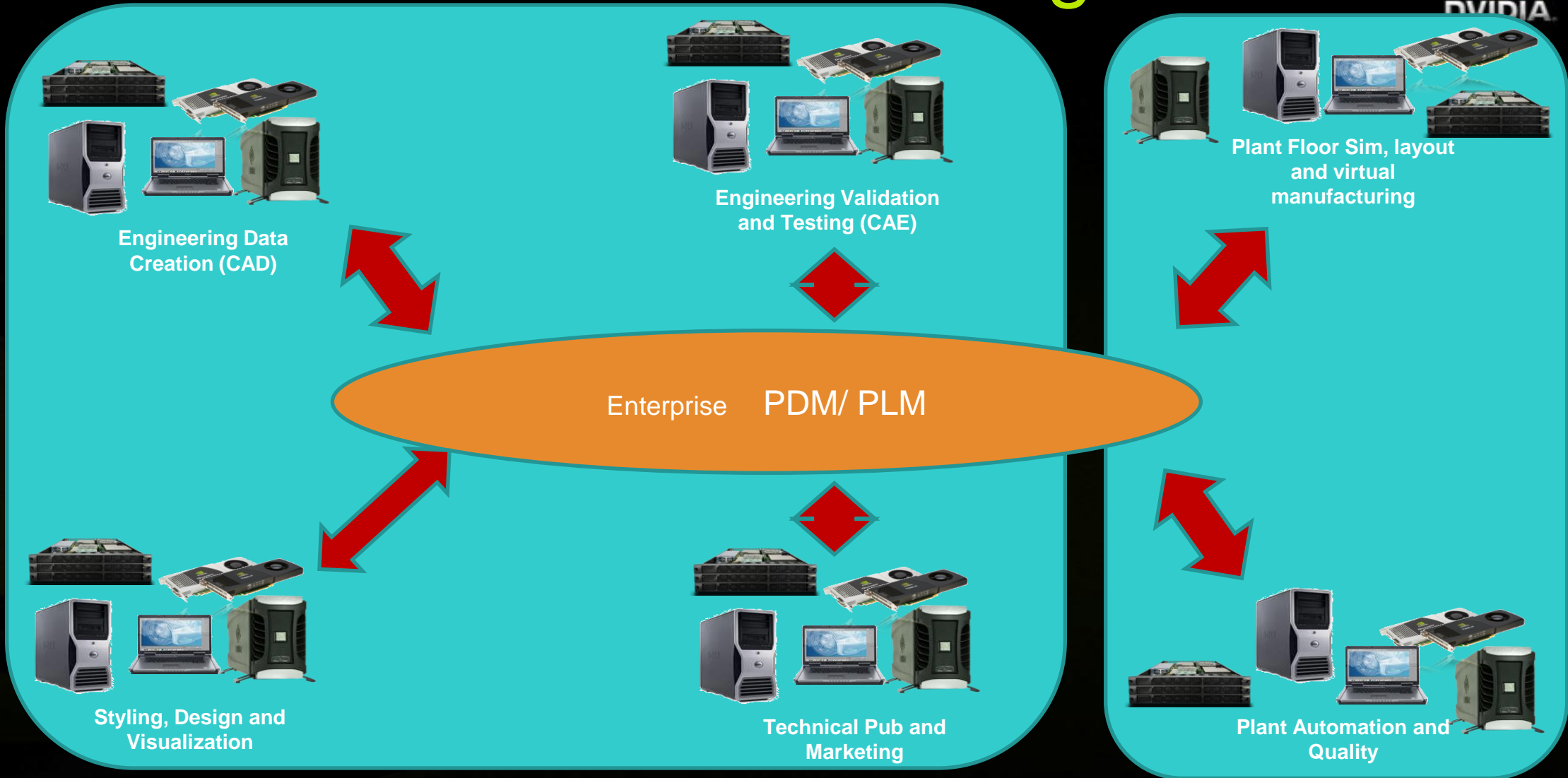
NVIDIA® Quadro®
Professional Solutions
for the
Manufacturing
Market



OLD workflow diagram



NEW workflow diagram



What are the “Pain Points” in the Workflow?



The Pain

1. Reduce Marketing Costs
2. Reduce infrastructure costs
3. Increase quality, reduce Defects
4. Am I selling a commodity?

The Solution

1. Leverage High end Graphics for Rendering and raytracing. Use advanced shaders to create REAL images from live engineering CAD data.
2. Leverage full suite of NVIDIA graphics in mixed Blade environments to create an on demand hardware toolbox that engineers can use when needed. Without the desktop costs
3. Use real-time shaders and larger Video Memory in the graphics solutions along with Desktop GPU Compute for faster validation. Turn on Hardware features in Graphics that you never could use at the price points (FSAA)
4. Use new NVIDIA Middleware and functionality to create “tip of the Spear” solutions. These are unique solutions that cannot be done easily by the competition and establishes a standard in a vital part of the business. (think sony 4k projectors, scalable graphics, new software functionality)

The Product

1. FX4800, FX3700M (blade and laptop)
2. FX3700M, FX4800 in Sidecar
3. G100 GPU (FX4800+), Tesla Compute
4. Quadro Plex d2, d4,m FX5800, FX4800

Certified Applications

DESIGN

Autodesk®

AVEVA™

3D
DASSAULT
SYSTEMES



ICE M

PTC® 

Engineering the future together

VISUALIZE

mental ray

Bunkspeed®

Co|Create

RTT
challenging reality



VALIDATE



ESRI



ANSYS®



LSTC
Livermore Software
Technology Corp.

ABAQUS

NV Middleware & Key Features



- **NVSG**
- **NVScale for Large Data Visualization**
- **Interactive Ray Tracing**
- **SLI Mosaic Mode**
- **30 bit color for styling**
- **Stereo**
- **Transparent Multi-display and 4K display support**

NVIDIA Quadro Product Line-up



NVIDIA Quadro
FX 5600



NVIDIA Quadro
FX 5800



NVIDIA Quadro
FX 4600



NVIDIA Quadro
FX 4800



NVIDIA Quadro FX 3700



NVIDIA Quadro
FX 1700



NVIDIA Quadro
FX 570



NVIDIA Quadro
FX 370

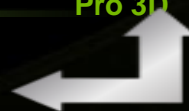


NVIDIA Quadro
NVS 290



Pro 3D

Pro 2D



UNDER EMBARGO THROUGH
NOV 15, 2008

GPU Sales in Manufacturing



Volume CAD deals are won by being relevant in the business critical “tip of the Spear” communities, Price is secondary to technical requirements. Use the GPU and features to create a differentiator.

NVIDIA GPU Computing and Middleware like SLI Mosaic and Nvscale will make you relevant to the important people in your accounts.

There is a freight train coming. Applications that use CUDA and NVIDIA GPUs will be the next volume “Killer App” in the manufacturing space Get ready