DESIGNING A TECHNOLOGY STRATEGY FOR A LARGE PUBLISHER

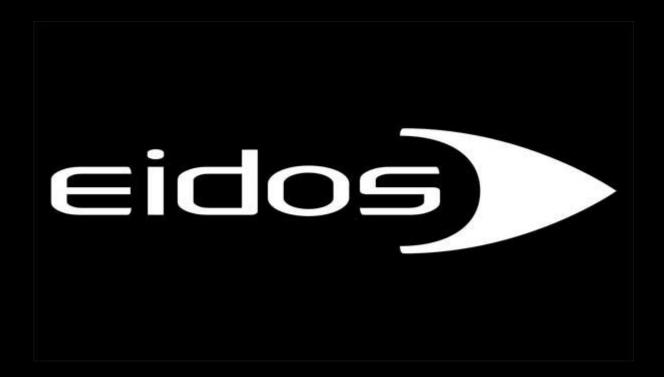


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SQUARE ENIX GROUP





AGENDA

EIDOS EVOLUTION (2006-2009)

DESIGNING A TECHNOLOGY STRATEGY

SQUARE ENIX TECHNOLOGY STRATEGY (2010+)

TECHNOLOGY NEXT 5 YEARS – FOOD FOR THOUGHTS



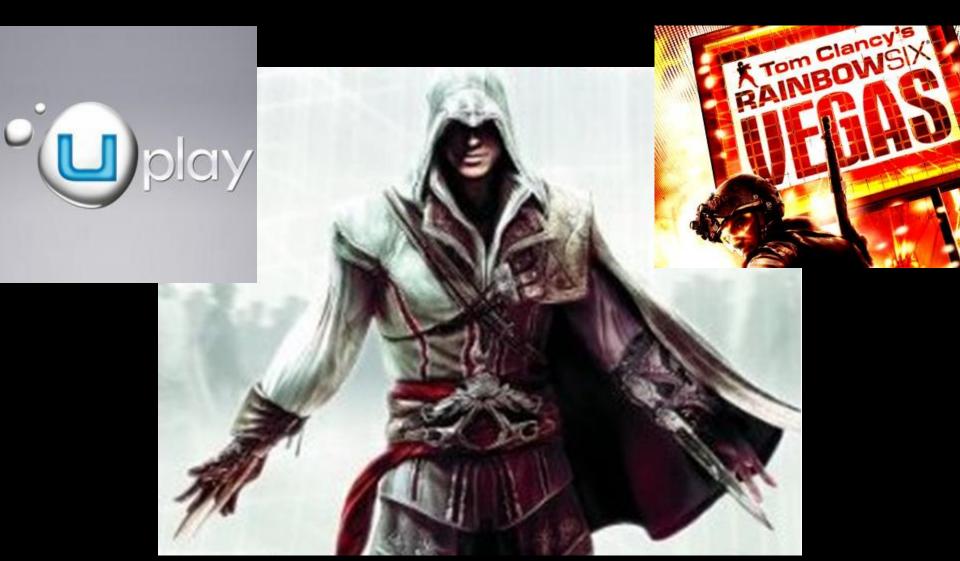












- Managing chaos in the short term ©
- Short term independence to remove dependencies
- Empower AAA Teams (grow them fast)
- Preparing the future is fundamental...
 - Get us stronger overtime by relying on our experts
 - Creating strong relationships with Manufacturers to ramp up our expertise
 - Make strong short term partnerships on tech to have time to build our own
 - Always go early on new platforms (and drop support is not successful)
 - Start working on future technologies
- ... but not to the extent of compromising with the short term!
- Knowledge Management is a MUST HAVE to gow everybody else (KM is always the least that you can do)



EIDOS EVOLUTION

→ lo-Interactive









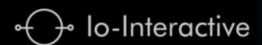


EIDOS EVOLUTION



a SQUAREENIX. company











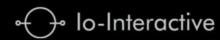




EIDOS EVOLUTION



















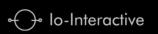


SQUARE ENIX COMES IN...

























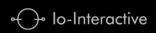
...EVOLUTION CONTINUES...





























EIDOS: THE DESIGN OF A TECHNOLOGY STRATEGY



CONTEXT IN 2006

Small Studios, we can't work internally on Deus Ex & Thief -> Create new Studio?

Focusing on too many platforms -> Ouch, problem of focus. Cannot win on new Gen if we don't change that...

Small company -> only a limited amount of things we can focus on. Choose your battles. Which ones?

Small Studios, but many ideas -> We need to enable small Teams. Outsourcing?

Single Player Franchises -> What should we do about Online?

Highly expensive locations, small return on investment -> Focus on Tools and pipelines? More efficient pipelines/workflows?

Highly talented people -> Awesome! Sky is the limit!

... strong Art Talents -> Share Assets?

... but no growth -> My senior people might leave... Be more "Horizontal"?

... and not very organized -> Ouch, re-think Project Life Cycles?

People trying to solve the same problem -> Interesting, could benefit from Knowledge Management. How to structure it?

Late on this transition & release date constraints -> Cannot have a unified tech approach.



CONCEPTS EMERGE...

PARTNERS

KNOWLEDGE MANAGEMENT

NEW STUDIO **NG ONLY**

ASSET SHARING

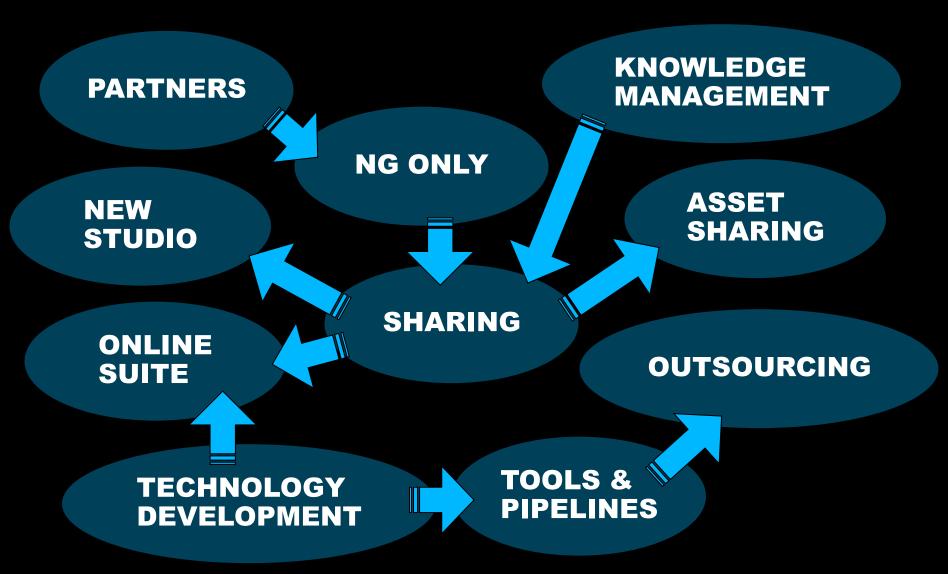
ONLINE SUITE **SHARING**

OUTSOURCING

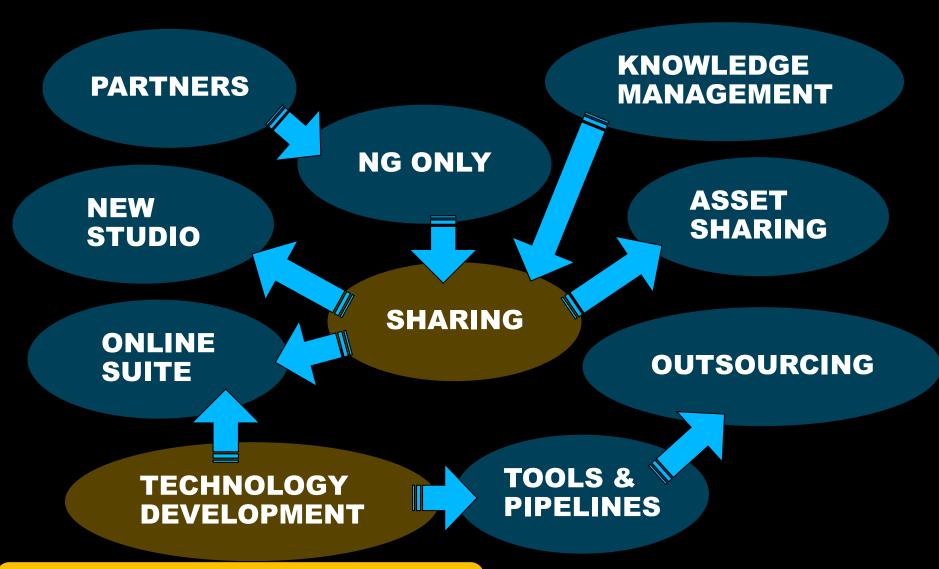
TECHNOLOGY DEVELOPMENT

TOOLS & PIPELINES

TRACK DEPENDENCIES...

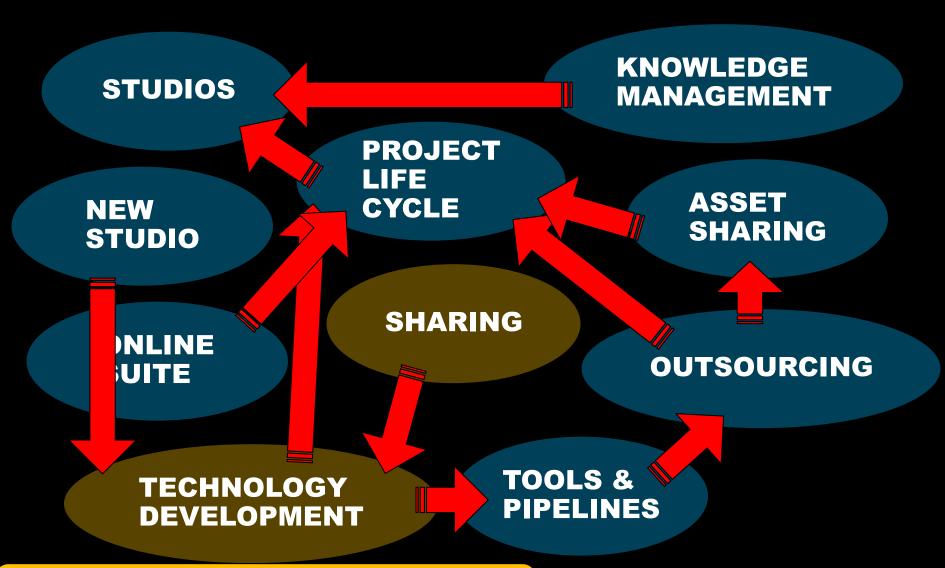


TRACK DEPENDENCIES...



WHERE SHOULD I ESTABLISH DEVELOPMENT?

CHECK THE EMPOWEREMENT GRAPH



... Validate it is "Studios Centric" (which tends to be my philosophy)

Structure enhancements

Knowledge Management

- **OA** Tools **Profiling Tools** Support
 - **Localization Tools**
 - **Control Tools**
 - Content availability across Studios
 - New Development Studio

Best practice sharing

Experts Meetings

Information sharing

Problem solving across Studios

Outsourcing Facility

Technology and Pipeline

- Feature sharing
- Code sharing
- Resource Reinforcement
- Business-ready platform
- Competitive Technologies
- Convergence Support
- **Content Production Tools**
- **Production Pipelines**

...AND THEN YOU GET YOUR GOALS IN PLACE

Structure enhancements

- Technology Board
- Expert Groups
- Incentives & Carrier Path
- Attract talents

Knowledge Management

- Technology Website
- Experts Meetings
- Company-wide Asset Sharing system

Support

- Tools: Development and Analysis
- Tools: QA, Localisation, Protection
- Tools: Content and Control
- Floating R&D
- New Development Studio
- Outsourcing Facility

Technology and Pipeline

- Technology Innovation
- Business Aware
- Technology Sharing
- Tools: Production Pipelines



STRUCTURE

LOCAL & GLOBAL (GLOCAL)
Local Technology Director in each Studio
Roles & Responsibilities
Eidos Technology Structure: Eidos Technology Board

HORIZONTAL & VERTICAL ASPECTS

The place & importance of Technology in the Company
Interaction with other divisions

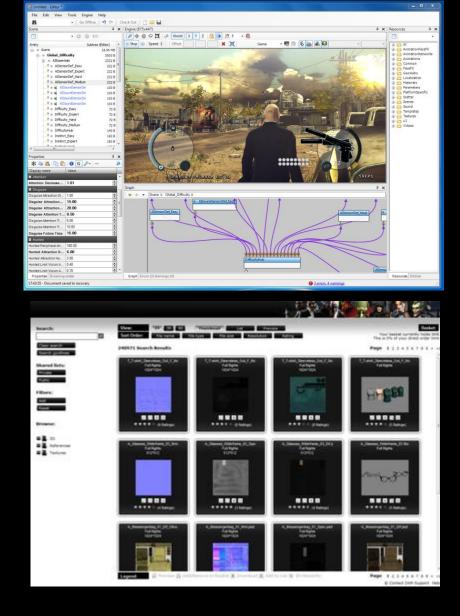
KNOWLEDGE MANAGEMENT
Infrastructure, Technology Websites, Repositories
Global Expert Meetings, Talent exchange



TECHNOLOGY

G2 CDC Internal shared libraries + Middleware

Global Technology Sharing Global Asset Sharing





FROM EIDOS TO SQUARE ENIX



SQUARE ENIX ACQUIRES EIDOS IN APRIL 2009





SQUARE ENIX ACQUIRES EIDOS IN APRIL 2009





JULY 2009 – Eidos Experts Meeting & IOI visit



AUGUST 2009 – I participate to CEDEC 2009









SEPTEMBER 2009 – Large Internal Presentation in Tokyo Office



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JANUARY 2010 – Starting...

WHILE...

Helping here and there on different projects
Trying to make a difference early on
Getting to meet more people
Getting to learn more about how they are doing things
Identifying the Context
Identifying Problems and Needs
Identifying Wishes

... START:

Identifying the goals, and possible paths we have forward



DO SHIO?



... BREAK ...









NO « ONE SIZE FITS ALL »!

Whether it is a Western company or Japanese is not the question here. Just every company has different needs, driven by their approach to business, creativity, Studios Structure and technology. A CTO needs to start by understanding the Company, the long term strategy and find the best way to drive in that direction.



WE ARE COMPLEMENTARY!

Definitely amazing skills in Tokyo also, very complementary! Definitely a perception from Tokyo that Eidos is strong in Tech, and definitely a perception from Eidos that Tokyo is strong in Art. Complementarity also in Genre and target platforfms, as well as relative to the online space.



NEED TO WORK AT DIFFERENT LEVELS! LOCAL vs GLOBAL

Some great SEE initiatives won't translate easily to Tokyo, but we need to keep them. Think at different levels: Local and Global.

Keep some SEE specific aspects, keep some Tokyo specific aspects, identify what should be global.



RESPECT PRIVACY

What happens in Vegas stays in Vegas » Privacy, « under the radar » Hability to « Laver son linge sale en famille! »



STRUCTURE

LOCAL & GLOBAL (GLOCAL)
Local Technology Director in each Studio
Roles & Responsibilities
Local SEE Structure: SEE Technology Board

Local Tokyo Structure: Tokyo Technology Committee

Global Structure: Global Technology Committee

HORIZONTAL & VERTICAL ASPECTS

The place & importance of Technology in the Company Interaction with other divisions

KNOWLEDGE MANAGEMENT

Infrastructure, Technology Websites, Repositories Global Expert Meetings, Talent exchange



TECHNOLOGY

G2 CDC

Crystal Tools (Final Fantasy XIII, etc.)

Need for new "Japanese made" Engine: Luminous project
Internal shared libraries

+ Middleware

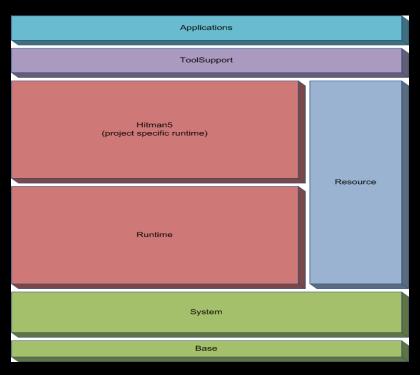
Global Technology Sharing Global Asset Sharing

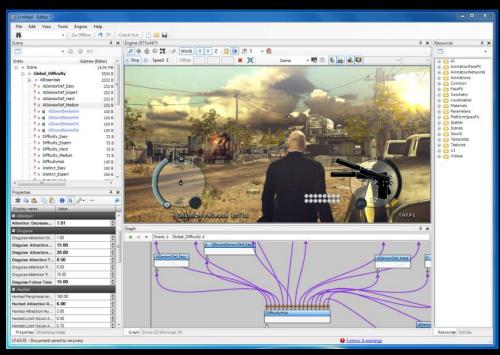


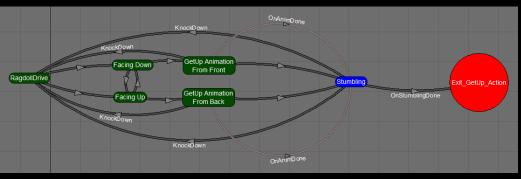
LUMINOUS... From scratch?

No... playing with Group knowledge and strength!

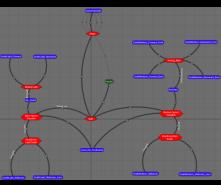
Based – among other things - on G2 and CDC strengths











LUMINOUS... From scratch?

Luminous will provide a balance between Western pipelines / workflows / technology design, and Japanese essentials
The staff on Luminous is roughly 30% western people.





As a conclusion:

- Avoiding dependencies is key
- Avoiding "points of no return"
- Preparing the future is fundamental...

Get us stronger overtime by relying on our experts

Creating strong relationships with Manufacturers

Make strong short term partnerships on technology to help focus

Always go early on new platforms (and drop support is not successful)

Be proactive, start working on future technologies, and share results

- ... But not to the extent of compromising with the short term!
- Knowledge management is a MUST HAVE (this is always the least that you can do)
- Central technology development vs Middleware is always to be considered.

And remember:

Short term independence (or "chaos") help fast growth in certain areas... So think about removing unnecessary dependencies.

Build the future according to Company Strategy, and Group dynamics.

...SO...



WHAT IS NEXT FOR US?

WHAT LIES AHEAD ON THE TECH SIDE?



...ABOUT "POINTS OF NO RETURN"...

Things change rapidly...

Don't take a No-return decision!

Reassess regularly

Be smart to avoid your tech to become 'irrelevant'

When planning, be pessimistic (issues *will* happen)

2007

2007

Zynga

You Tube

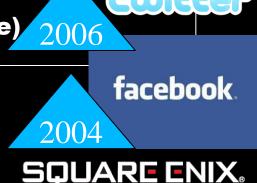
2006

Avoid long Project Life Cycles

(...or the world could change in the meantime)

Tools are essential to make PLC as short as possible...

(Incremental linking, live reloading, edit & continue)



EDITING



We will need to be very efficient!...
... Tools will be king!



OUR FUTURE IS NOT ONLY "HIGH END"...

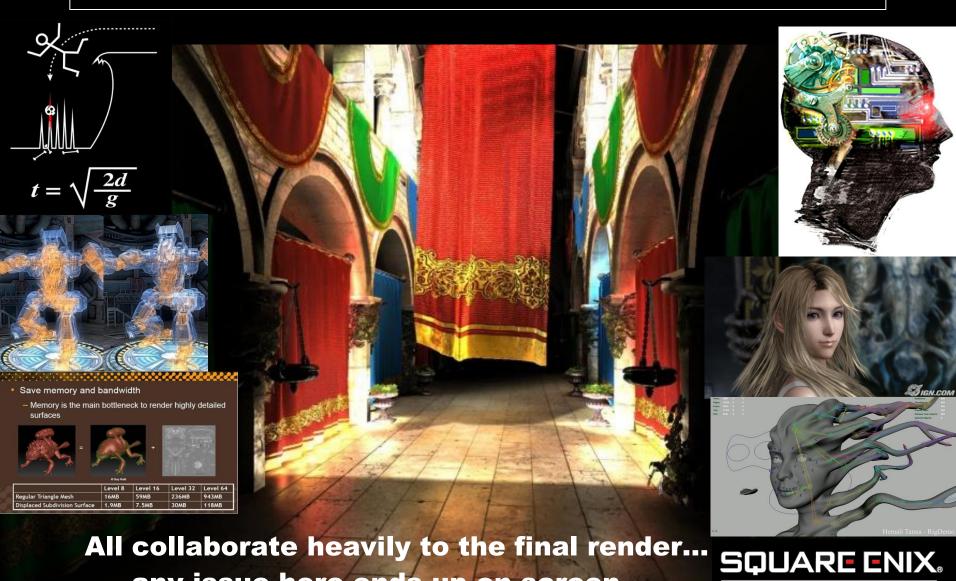


... Hardware and Software platforms

... Impacts Core Programming Approaches

SQUARE ENIX.

VISUAL SIMULATION



... any issue here ends up on screen





Important:

- think Multiplayer Online
- think Microtransactions
- think Social & Community
- think Safe & Secure
- think "Live"
- think many-platforms



... BUT IT WON'T BE EASY TO DELIVER!

Many platforms
New Interactivity and Graphic trends
Online will be key! Warning: New Business Models
New Narrative and Creative ways to enable!
Efficiency will be a must!

...IT TAKES TIME TO GET READY...

SO TOMORROW STARTS TODAY!

