

The background of the slide features a complex, abstract graphic in shades of pink, red, and white. It consists of overlapping circles, squares, and lines, creating a sense of depth and movement. The GDC Europe logo is positioned in the top left corner, with the text 'GDC' in a large, bold, sans-serif font, 'Europe' below it, and '11' in a smaller font inside a circle between them.

GDC
Europe

Game Developers Conference™ Europe 2011
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(More) Firefighting Troubled Projects

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A.K.A.



About Me

- Chief Operating Officer 
 - Over 15 years
- KuJu have multiple studios:
 -  Art Academy, House of the Dead: Overkill
 -  Grease, Disney Singlt, Zumba
 -  Silent Hill: Downpour
 -  Self publishing – e.g. Burn Zombie Burn
- Heavily production focused role
 - Previously did lots of tech work



Overview

- Real issues in real projects
 - Examples drawn from ~9 projects over 7 years – but many others that were OK
- Problem-by-problem
 - Not project-by-project: some names removed!
- Talk through solutions
 - Some worked, some didn't
 - My experiences I want to pass on to you
- Prevention better than cure ?
 - Better process, better people
 - But this is the real world, stuff goes wrong

2006

The Challenges

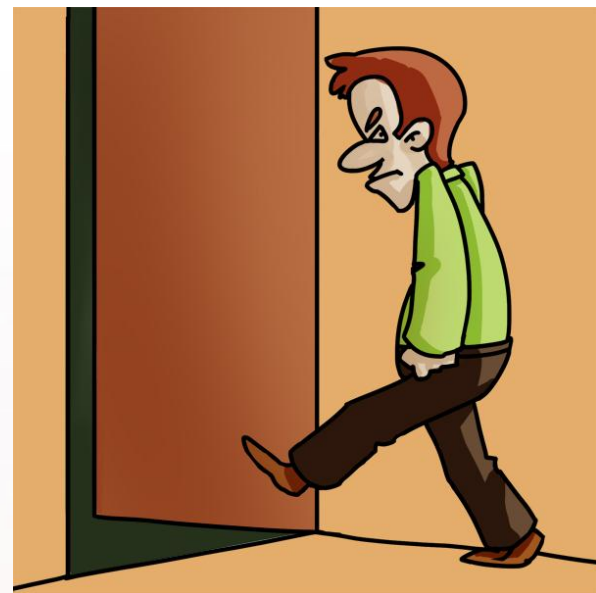
- Producer quits
- No lead engineer
- Project scope changed by publisher
- Publisher unhappy (progress or quality)
- Publisher not paying you
- Project running late - technical issues
- Team lacking “finishing” experience – delay

“Help! My producer just quit”



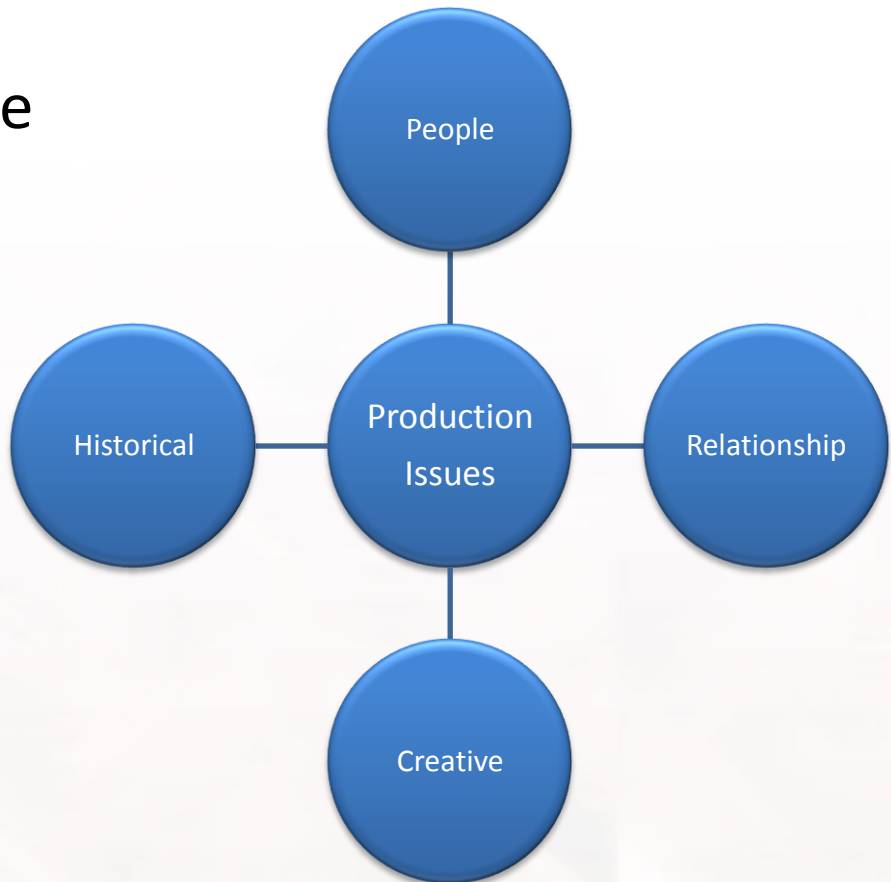
Missing Producer

- Good producers will make big difference to success of project
- However what if they leave
 - Fed up with the publisher
 - Become detached from project vision
 - Believe that goals are unachievable
 - Their own career ambitions
- Happened to us on a couple of occasions



Missing Producer: Continued

- Why not just replace?
 - Like-for-like not adequate
- Intractable problems
- Solution: Draft in someone WAY more senior
 - Probably other things broken in the project
 - Need to catch up lost ground
 - Will cost more money



Stand-in Producer: Lessons Learnt

- Was a slippery slope – the more you know the more you are needed
 - Hence need lengthy commitment, not temporary solutions
- New senior producer will rework the schedule
 - Answers not always popular
- When I tried it: team did hit revised schedule

“I wish my producer would quit!”



Underperforming Producer

- Had a situation where producer was out of their depth
- Consider forcible change of personnel mid way through a project
- Never a good time to do it, many reasons against it ...
- **Bite the bullet:** may pay off quicker than you think
- Got very close to doing it (made a job offer in fact)
- Ultimately brought someone in **more senior** to manage + mentor them

“No-one is running the code team!”



No Lead Engineer

- A number of symptoms
- Happened on a couple of projects:
 - Battalion Wars
 - Rail Simulator
- Problems more tractable than losing producer
- Solution: draft in someone more senior (TD etc.)
 - But can be temporary
 - Stopgap whilst replacement sought: easier to handover than production
- Benefits from a fresh pair of eyes
 - I led major refactor of codebase
 - Troubleshooting and simple improvements of tool chain

The Firefighter



- Don't always have the luxury to parachute someone in
- Maintaining a stand-in not affordable for smaller companies
- Debate whether you transfer someone from another project
 - Generally fall on side of not "robbing Peter to pay Paul"
- Solution: draft in outside expert

“Their new honcho wants to change everything!”



Project Scope Change

- A number of changes can happen at publisher
- Very dangerous time for a project
- Initiates a scope change
- Good if funded by them
 - Additional time/funding attractive of course
- However ...

Project Scope Change (Dangers)

- Less in our control compared to developer initiated change
- Additional time/funding can be used to mask slippage
- \$ signs in your eyes can cause mis-estimation



Scope Change Solutions

- Intervene in estimation/negotiation process
 - Someone needs to scrutinise the estimates
- Set appropriate contingency
 - Typical 20% not sufficient – high risk tasks
 - But existing benchmarks useful

“They’re really p*ed off!”**



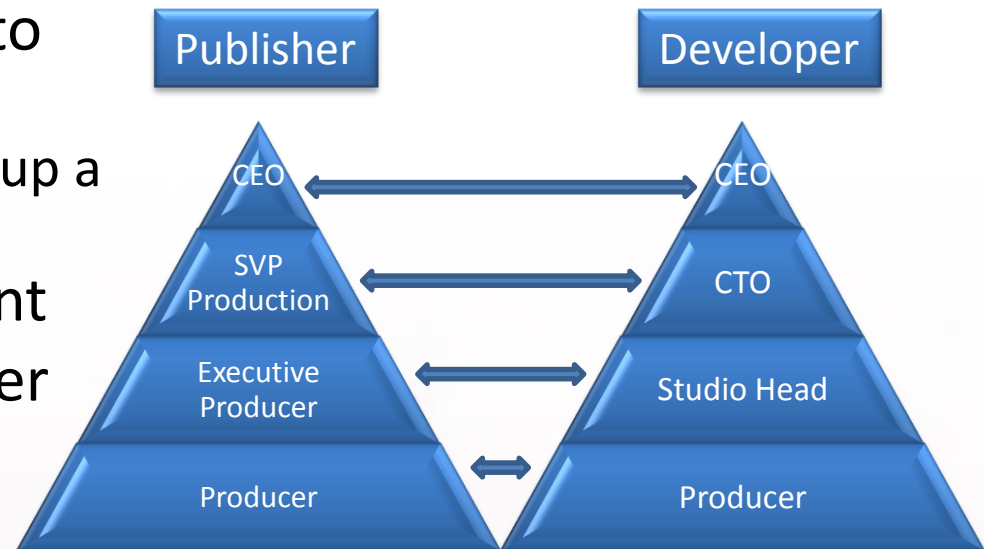
Unhappy Publisher

- Can be multiple causes:
 - Project late
 - Mismatched quality expectations
 - Breakdown in relationship
- Unfortunately have had to deal with this more than once



Unhappy Publisher - Elevation

- Publishers like someone to elevate to
 - even small studio can setup a chain
- Sometimes enough to vent
- But other times ... consider intervention
 - Will be appreciated
- Has actually happened at the publisher's request
 - Kuju invited to see them
 - Presented their issues
 - Got a kicking!



Unhappy Publisher

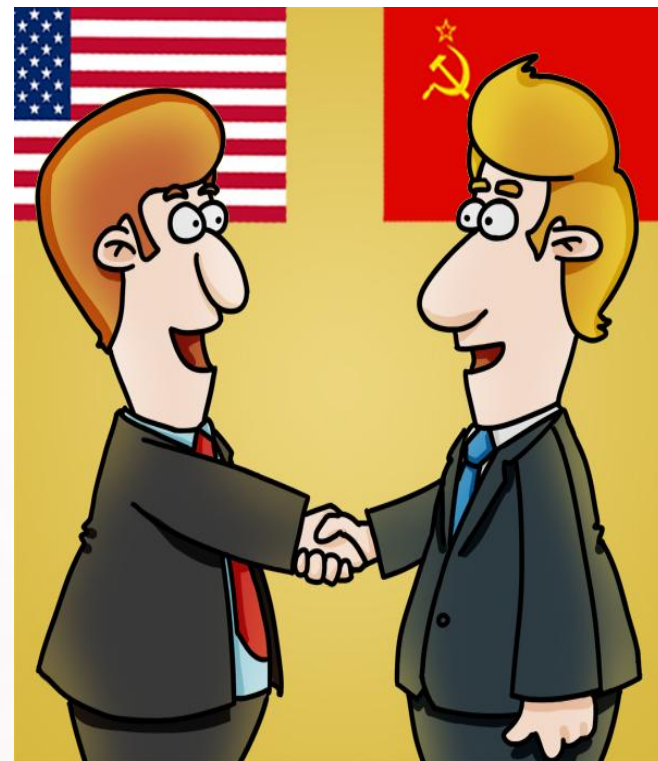
- Examples of issues quoted at us:
 - Team not ambitious enough
 - Response times too slow
 - Lack of consistent producer coverage
 - Animation quality poor
 - Documents delivered late
 - Milestones not defined properly

Feeding Back to Team

- Can be difficult to feed publisher's complaints to team
 - Studio management definitely had a different take
- Frank discussions with individual team members
 - e.g. lead coder responded differently to me
 - context/language barrier/respect

Diplomacy

- Valuable being the diplomat
 - Hearing both sides of the argument
 - Not leaping to conclusions or judging too soon
 - Both individual <> individual and developer <> publisher



Perils of Publisher Bashing

- Very easy to moan about the publisher
 - Get into a downward spiral of blame
- Lots of this is your team ass-covering
 - Or at least misguided / misunderstanding
 - Usually out of your control
- Solution: the diplomat
 - Diplomat needs to maintain neutrality
- Who it is depends on structure of your organisation



Marriage Guidance



Long Term Relationship?

- It's not always as bad as it seems: don't write them off
- Working on M.A.C.H. in 2006
 - Late
 - Large technical challenges (e.g. PSP UMD loading times)
 - Publisher angry (threatened to go legal)
- But we turned it around
 - Changed producer (more experienced) and lead coder
 - R&D team time into loading times and frame rate
- Ultimately signed more (successful) work with them:
 - Geometry Wars Galaxies

“We need some money. NOW!”



Not Getting Paid

- Cashflow is very challenging for independent developers
- Milestone payments are the publisher's lever
- Often seen as a David vs Goliath struggle
- Payments withheld because:
 - Milestone fails to meet their standards
 - They CLAIM it doesn't meet their standards
 - They are pissed off about something else
 - They don't have the money
- But company still needs to pay staff, rent etc.

Not Getting Paid

- What you can do:
 - If you don't ask, you don't get!
(Some can be oblivious to your problem)
 - Partial payments
 - Out of order payments (E3 demos for example)
- Downing tools generally a bad idea
- Elevation often needed
 - You may get a nice surprise

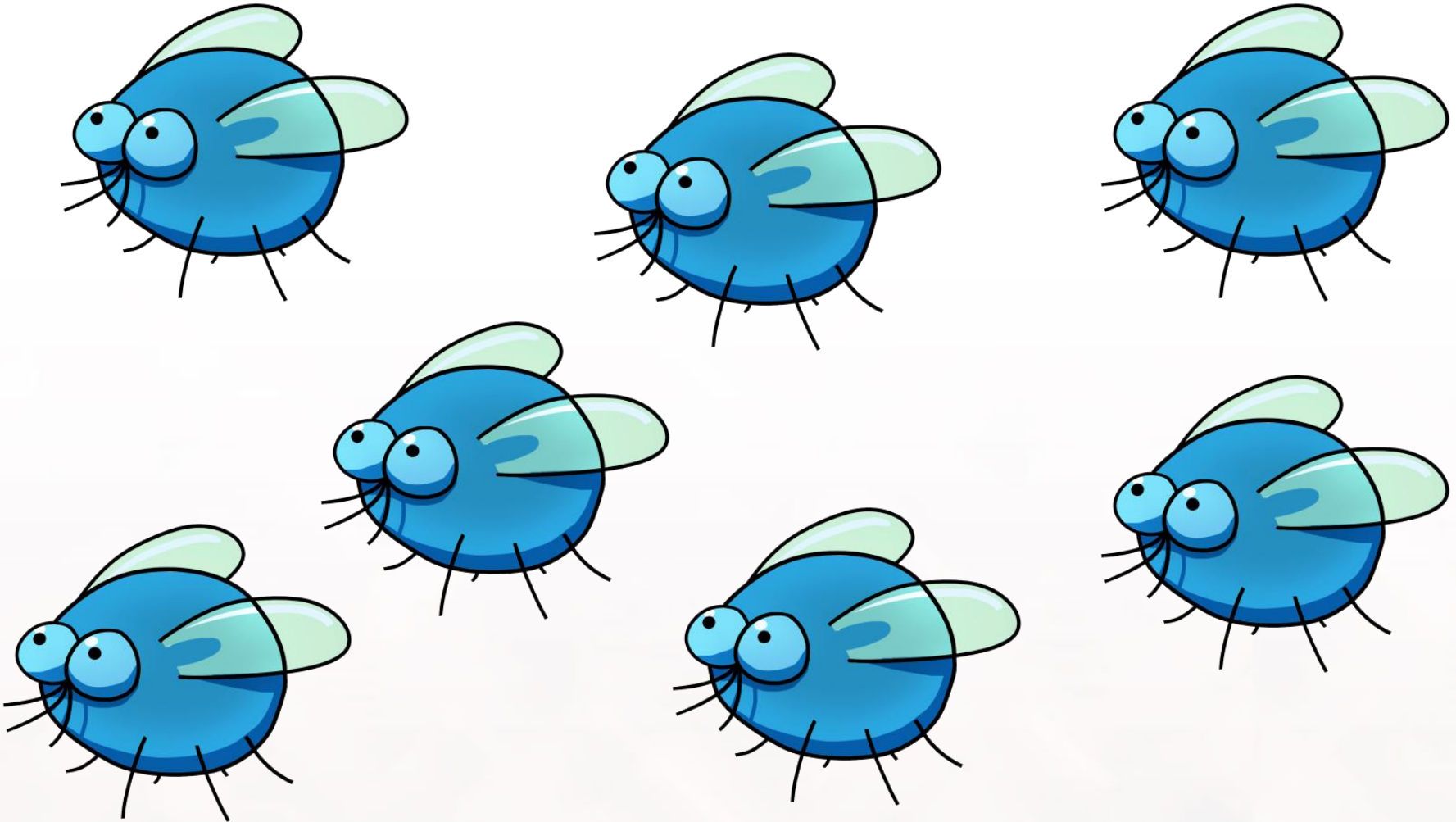
**“My code team really
screwed up”**



Late Project (Due to Tech)

- What if the technology problem is severe and fundamental?
- Major systems take many months to come together
 - Lots of components to integrate
 - But sometimes it just doesn't happen
- E.g. Our shooter title had severely broken AI
- Needed lots of enemies, dynamic obstacle avoidance
- ... but code and team had a number of problems:

Tech Problems



Drastic Solution

- Relocated the entire team to another studio
 - Built around existing core AI team
 - Very tightly defined scope
- Presented some huge personnel challenges
 - Things that normally would have been OK in a typical project
- But ultimately gave the team focus
 - Was the best available route at the time



“They can’t get it in a box”



Finishing Skills

- In another recent example, Rush 'n Attack, the team had not actually shipped a PS3/360 title before, even for download
 - Didn't know TRC/TCRs
 - Didn't appreciate how stringent platform holders are
 - Were hit by the hard work required
- Hence project was running late
 - Though worth noting there were other issues

False Assumptions



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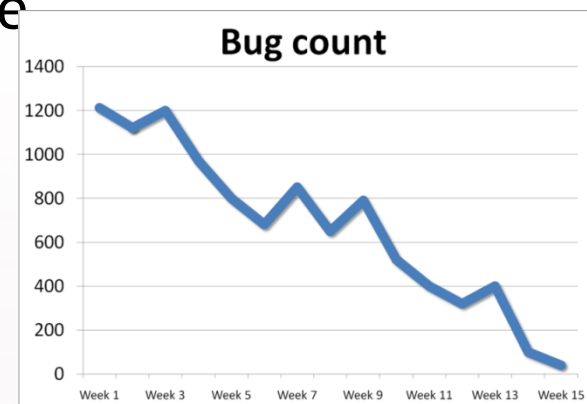
- An interesting evening in Brno
- 5'6": short compared to other players?
- I assumed that basketball players needed to be tall
- But scoring was amazing!

The Fact-Finding Mission

- You need to talk directly with team face-to-face
 - Don't have the message diluted
- On Rush 'n Attack, it was assumed main issue was PS3 skills
 - But in fact team were short on code resource generally
 - The assumption was false
- Only found this out by spending time with them
- Therefore additional solutions employed
 - Borrowing resource etc.

Fixing Process Flaws

- Be careful not to take “standard process” for granted
- Made false assumptions about bug triage process on Rush ‘n Attack:
 - Producer had internal handle on bugs
- Needed to convince of need for visibility
 - To both us and the publisher
 - See trend lines, predict ZBR date
- Lead by example, top down
 - For bug triage, myself and studio head did a pass
 - Don’t just send an email or write document



Conclusions

- No producer → More senior replacement
- No lead engineer → Rehire + plug gaps
- Publisher scope change → Intervene, handle with care
- Publisher unhappy → Elevation, diplomacy
- Not getting paid → Elevation, get creative
- Fundamental tech issue → Don't tinker, use drastic changes
- Team process flaws → Lead by example

Fact finding is vital: face to face

Thank You!

- Questions?

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