

# Lessons learned: complex web projects with Django

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# Facts Tschitschereengreen

- Spezialisierung auf komplexe maßgeschneiderte Web Apps für Mittelstand und Großunternehmen
- 7+3 Mitarbeiter (Projektmanager, Entwickler, Tester, Konzepter)
- Konzentration auf Konzeption, Programmierung, Betrieb
- Dienstleistungen: Entwicklung, Ausbau, Betrieb, 24/7/1 Support, Hardware-Architektur

# Advantages for Software Development

- Limited but highly mature packages
- Python forces better coding practices
- Documentation is reliable and complete
- Reading – coding – working
- Debugging is min. 50% faster compared to PHP
- Configuration Management ist standardized

# Operations

- 404 Link fail notify
- Exception notify
- Quality of stack trace and Meta data
- Performance
- PostgreSQL as default
- Django-Chunks
- Threading
- Multi appliance configuration management not conflicting with VCS (git/svn/etc)

## Conclusions for project management

- Higher stability and reliability lowers project risk
- Faster development process saves money for customers (compared to PHP 30-50%)
- Well structured software provides long term maintainability and more flexibility in adjusting to customer requests
- Better coding practices and better code lowers after project bugfixing effort by 30%

# Pitfalls

- Lots of new and immature components (partially developed or just name-blocking on Google Code)
- Too fast and unstable release management for Django (hable)