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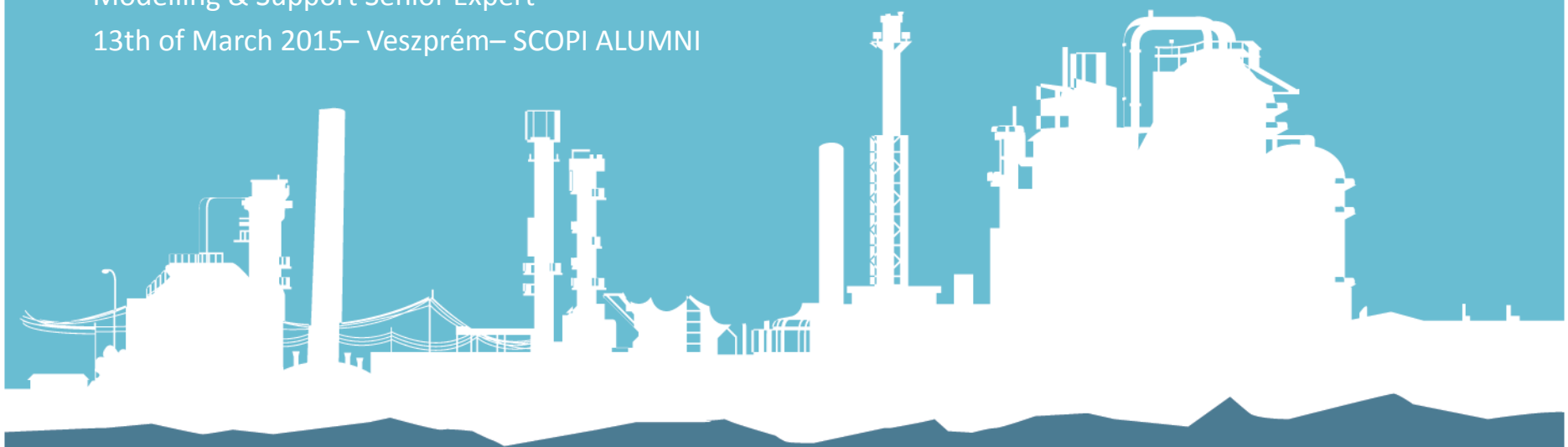
STATE OF THE ART REPORTING

Reinvent reporting (again)

Tamás Kenesei
Modelling & Support Senior Expert

13th of March 2015– Veszprém– SCOPI ALUMNI



UNIVERSITY OF PANNONIA ▸ Faculty of Information Technology

Introduction

- Ms.C. IT 2006
- SCOPI 2008
- Ph.D 2014
- Logistic scheduling expert
- OPTRE
- Modelling&Support

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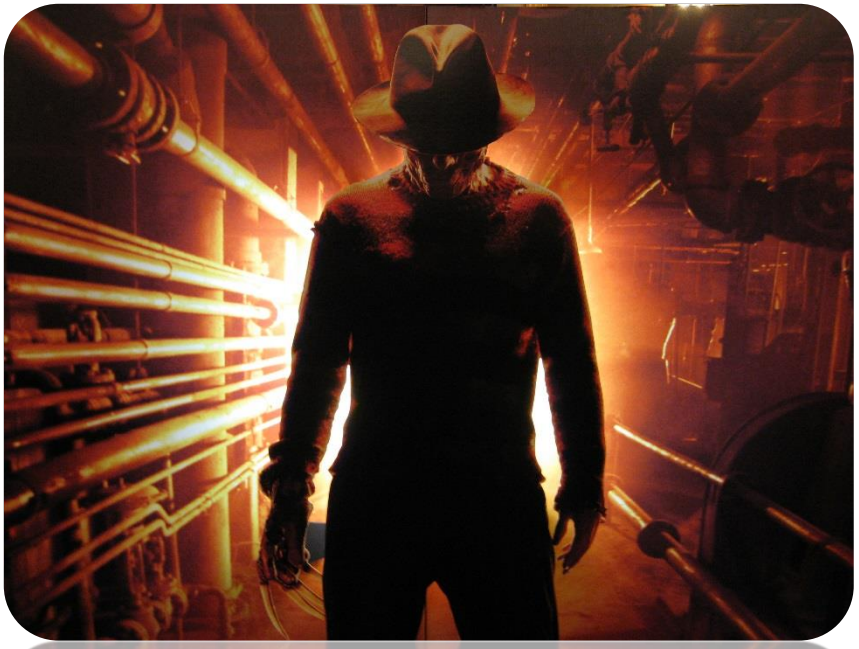
Reporting?!!

Nightmare on Elm street



- Change in source system
- Change in user expectations
- Uncertain specification
- AspenTech vision - (if any)

- Aggregation
- Accessibility
- Comparability
- Transparency

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XPIMS Reporting

MOL Group XPIMS Reporting evolution

- VBA-based
- Massive maintenance need
- Base for decision making

- XLS based
- Spread only among PIMS runners
- Base for fast result/constraints/driving forces understanding

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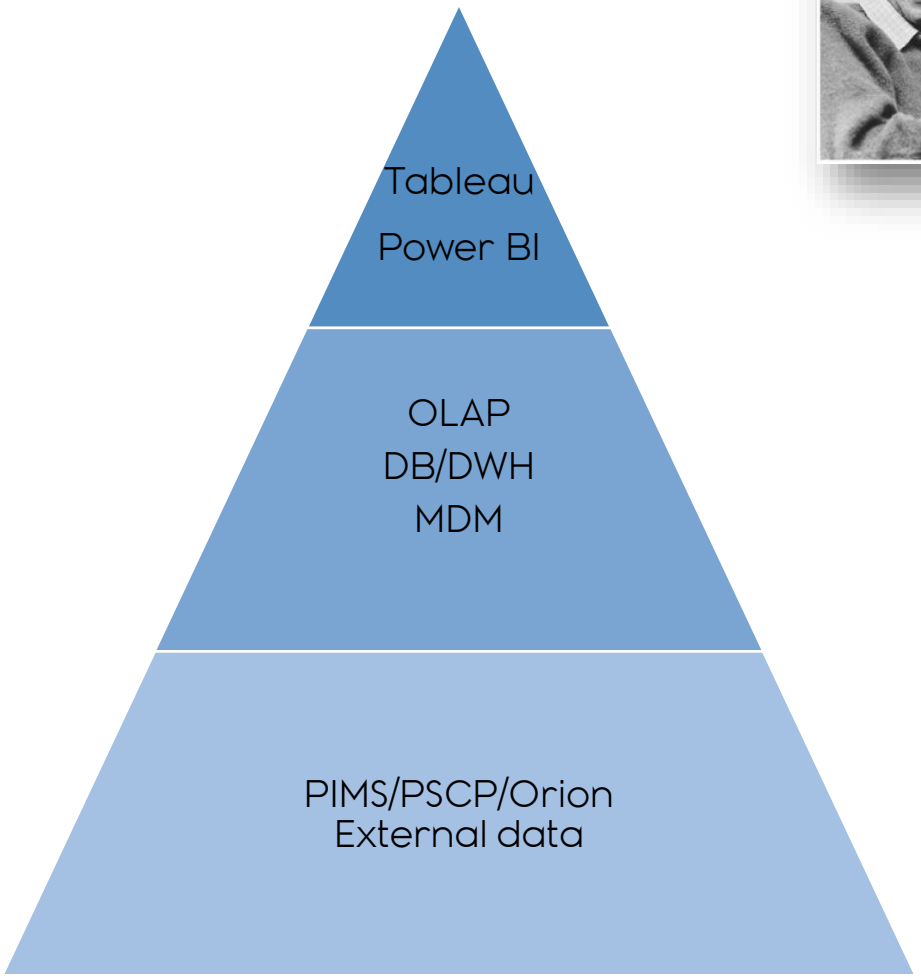
Maslow's hierarchy of needs

FOR REPORTING...

- Visualization
- Data Model
- Data Sources



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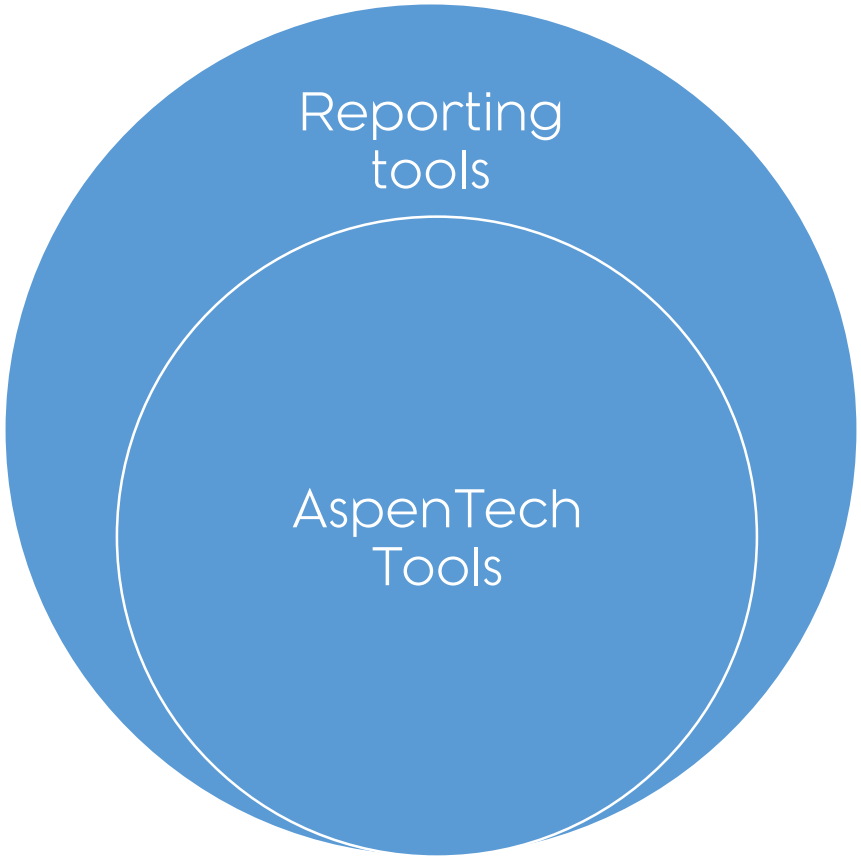
RepSy concept



- AspenTech software is utilized to solve planning tasks
- Embed these technologies with state of the art technologies
- **Platinum**, anyone?

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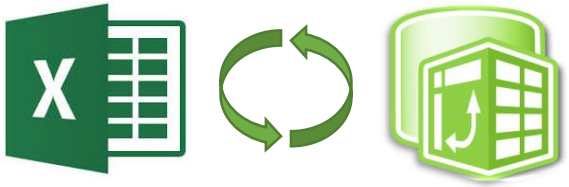
RepSy concept

◀PIMS
◀PSCP

RepSy Client

- Report publication & distribution
- Collaboration



- PowerPivot
- PowerQuery
- PowerMap

MDS | DWH | Cube

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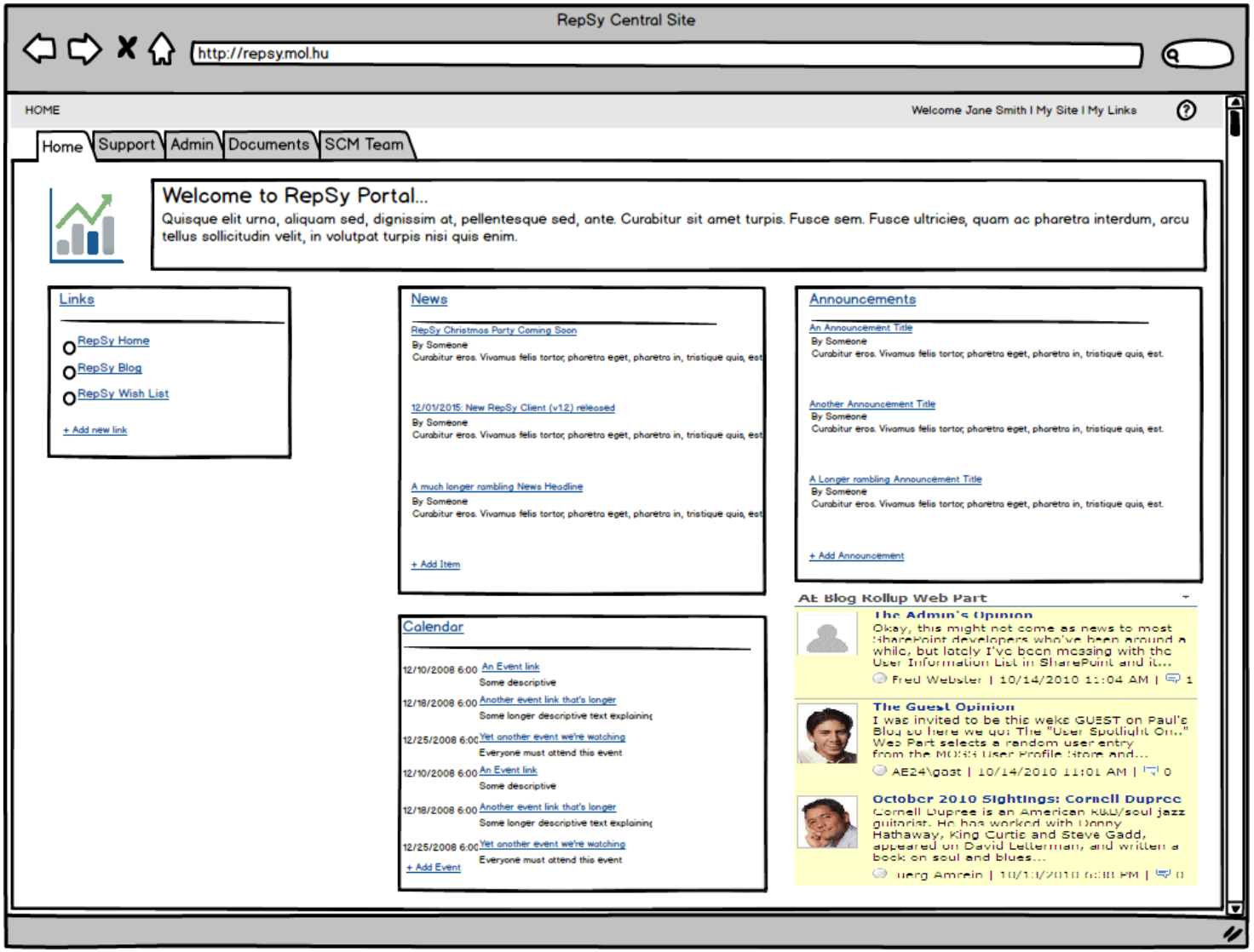
Microsoft Power BI

Collaboration



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One More thing – Working Patterns

(Thank you Steve)

During our work, we leave data behind like footprints

A Perl script recursively crawling through our servers collected info about

Servers

- PIMS runner
- Computer name

Results

- MDB & solution file
- Run time
- Distr. out of tolerance

Execution logs

- PIMS run length
- No. of passes
- Props. out of tolerance

Working Patterns

*We have **archived** data for 4 teams (not historized)*

Batta Hawks

Global Yankees

Bratislava Bears

Zagreb Titans

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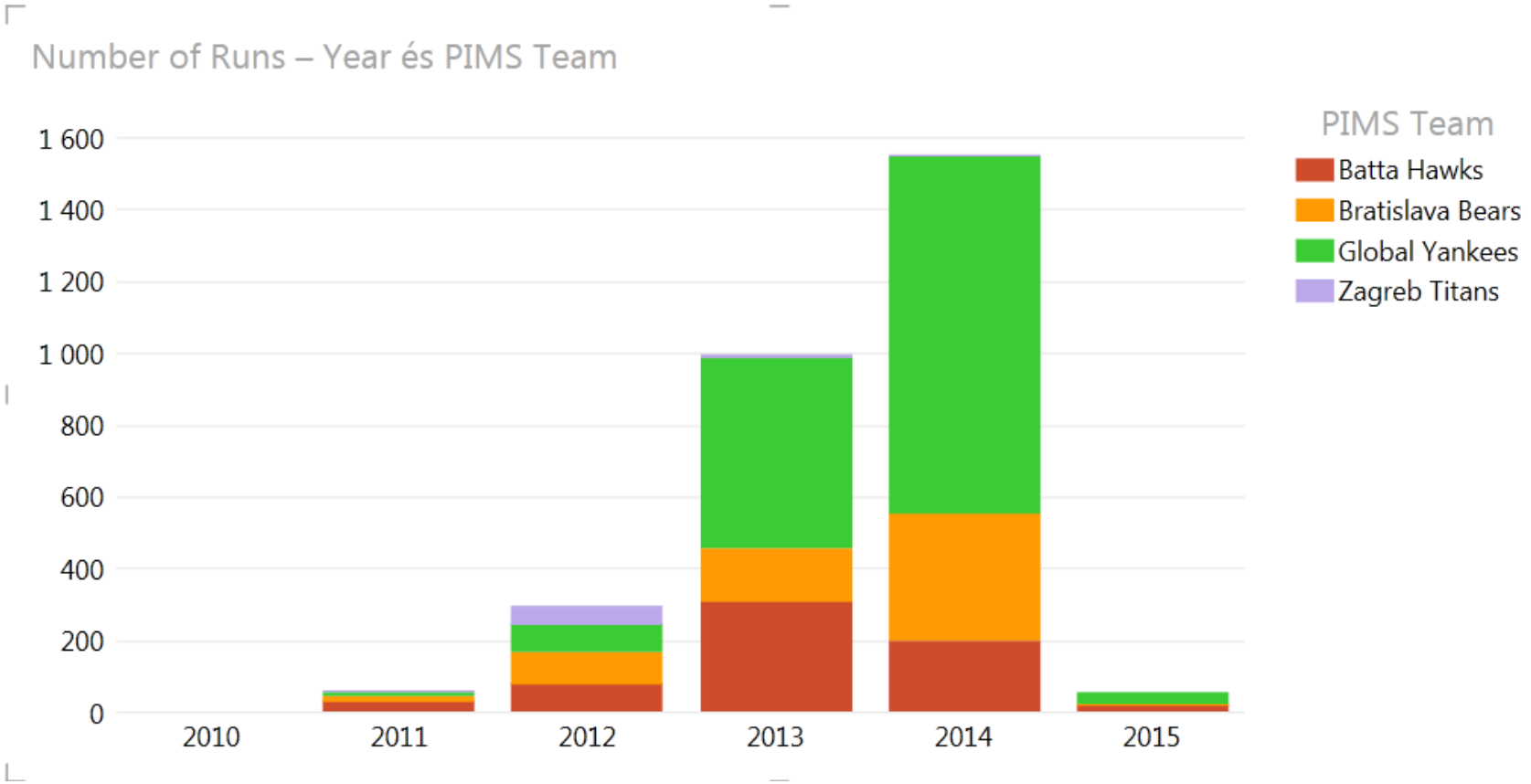
Our archive data

*We have **archived** data for 4 teams (not historized)*



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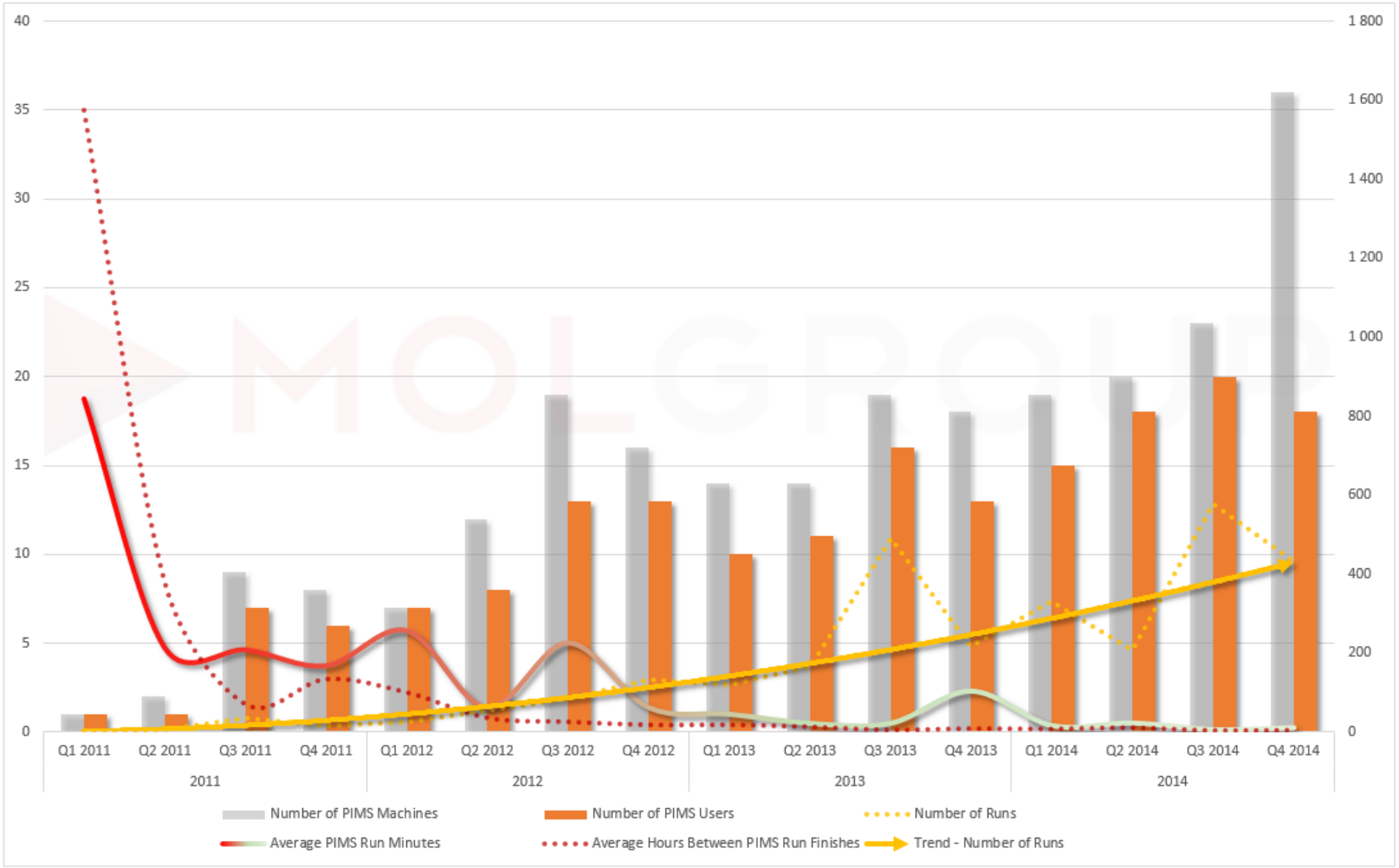
Year

- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2009

PIMS Team

- Batta Hawks
- Bratislava Bears
- Global Yankees
- Zagreb Titans



MOL GROUP

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Year

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- 2011
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PIMS Team

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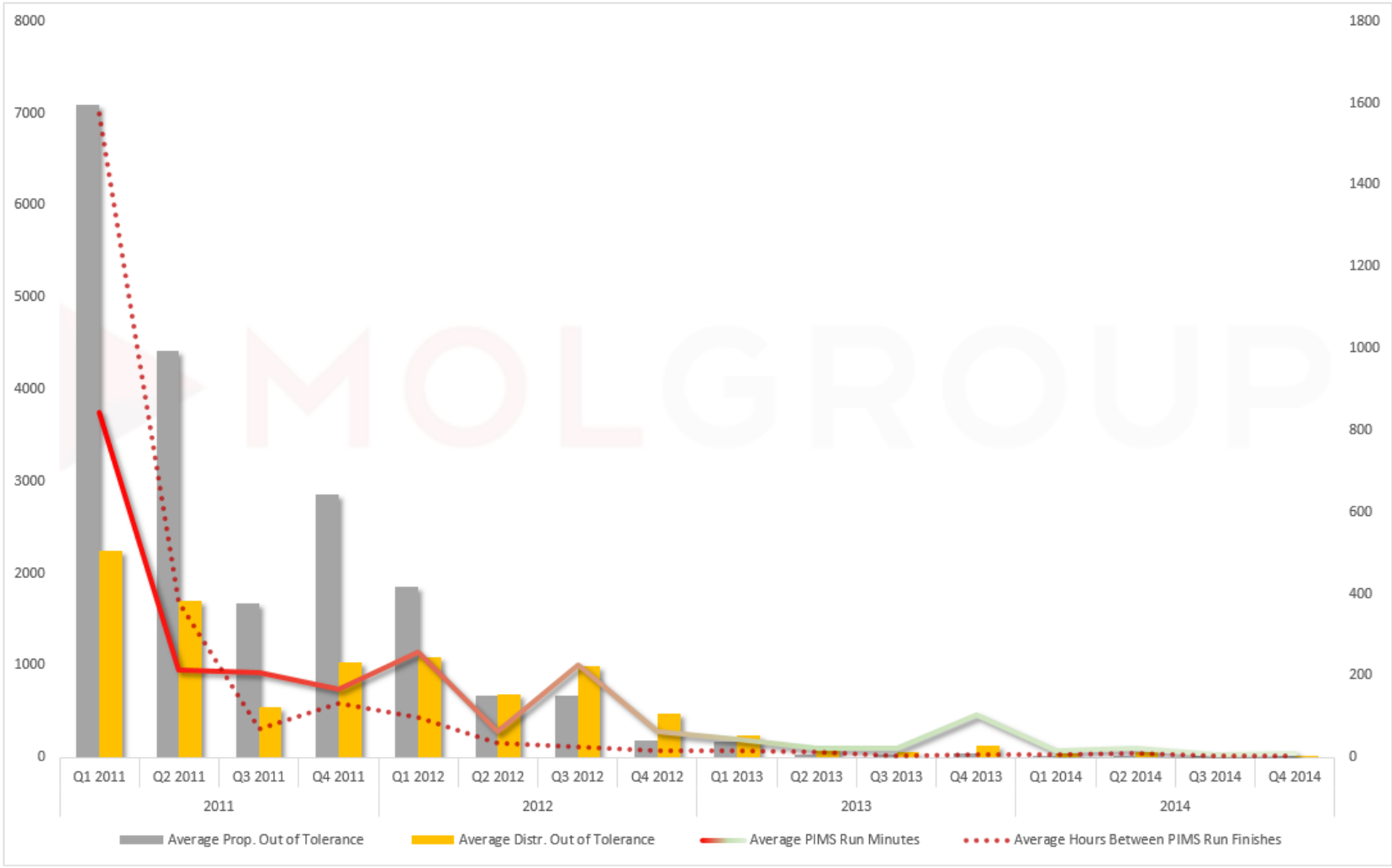

MOLGROUP

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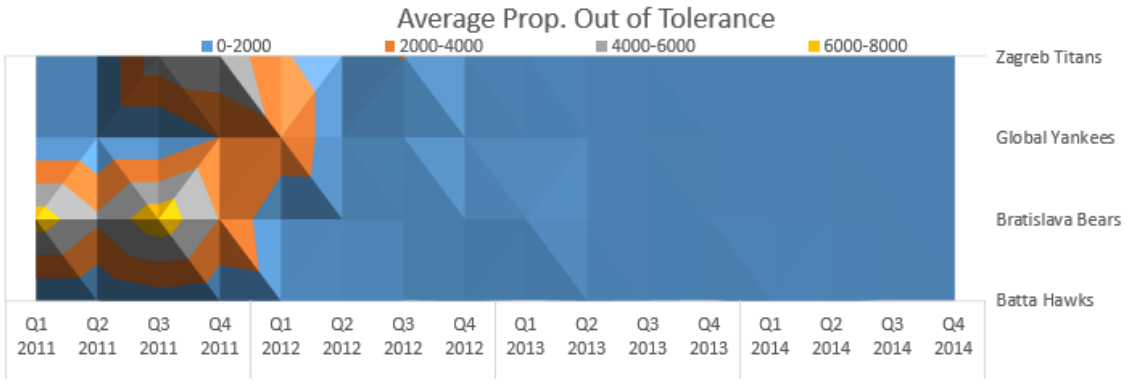

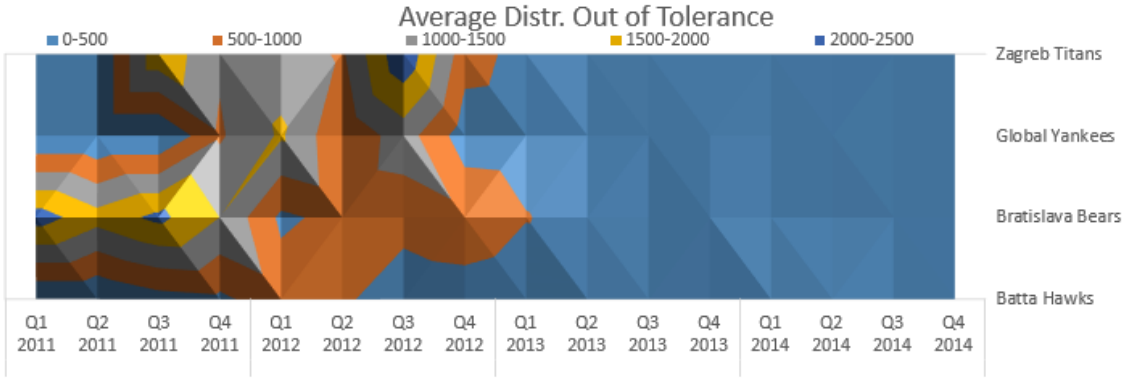

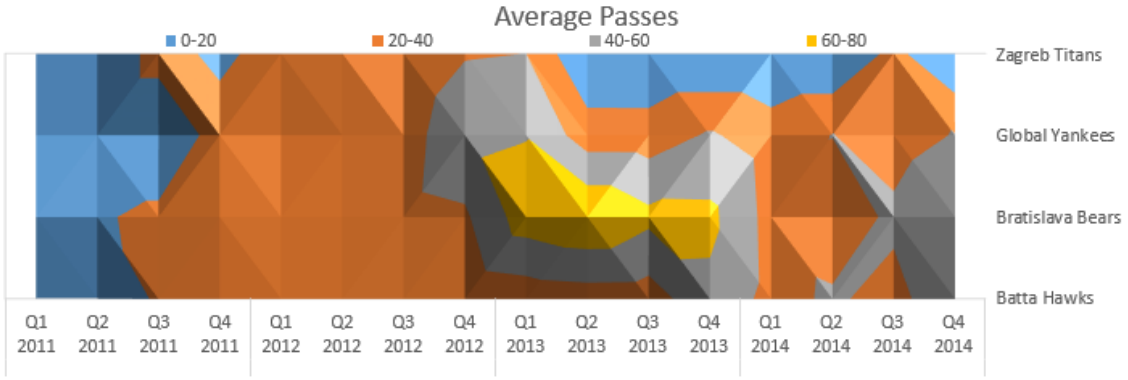

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DEMO

Something else?

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THANK YOU FOR YOUR ATTENTION

MORE INFO
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Tamás Kenesei
State of the art reporting