



Continuous Improvement

*Learning from Airport, Highways,
Rail and Power Consultancy*

December 2016



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CEng MChemE MAPM



December 2016



England Rugby



Continuous Improvement Development

How we work

for context...

Collaborative working

in our Client's interests

to develop capability.

Adding value whilst working

to leave a legacy.



ESSEX COUNTY COUNCIL

- Seamless interface between Council & Contractor
- 3 fold increase in active supervision
- 50% gang productivity increase
- £690k annual savings
- 55,000m² storage area reduction



2009





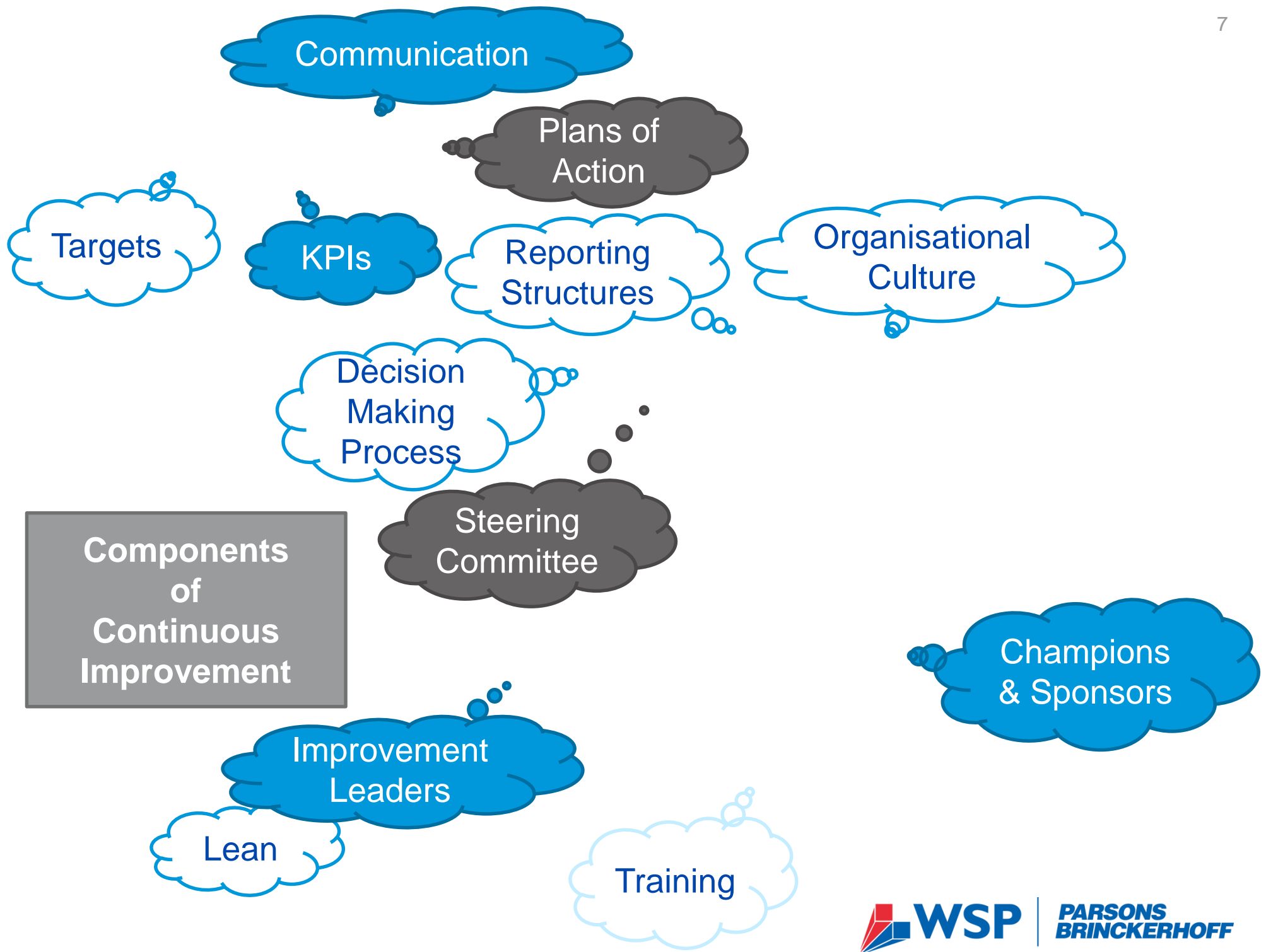


HEATHROW TERMINAL 2B

- £2.5m of savings
- 60% less rework
- 50% less unplanned maintenance
- 30% less offside storage
- 15% increase in labour utilisation
- Reduction in LTAs



2012



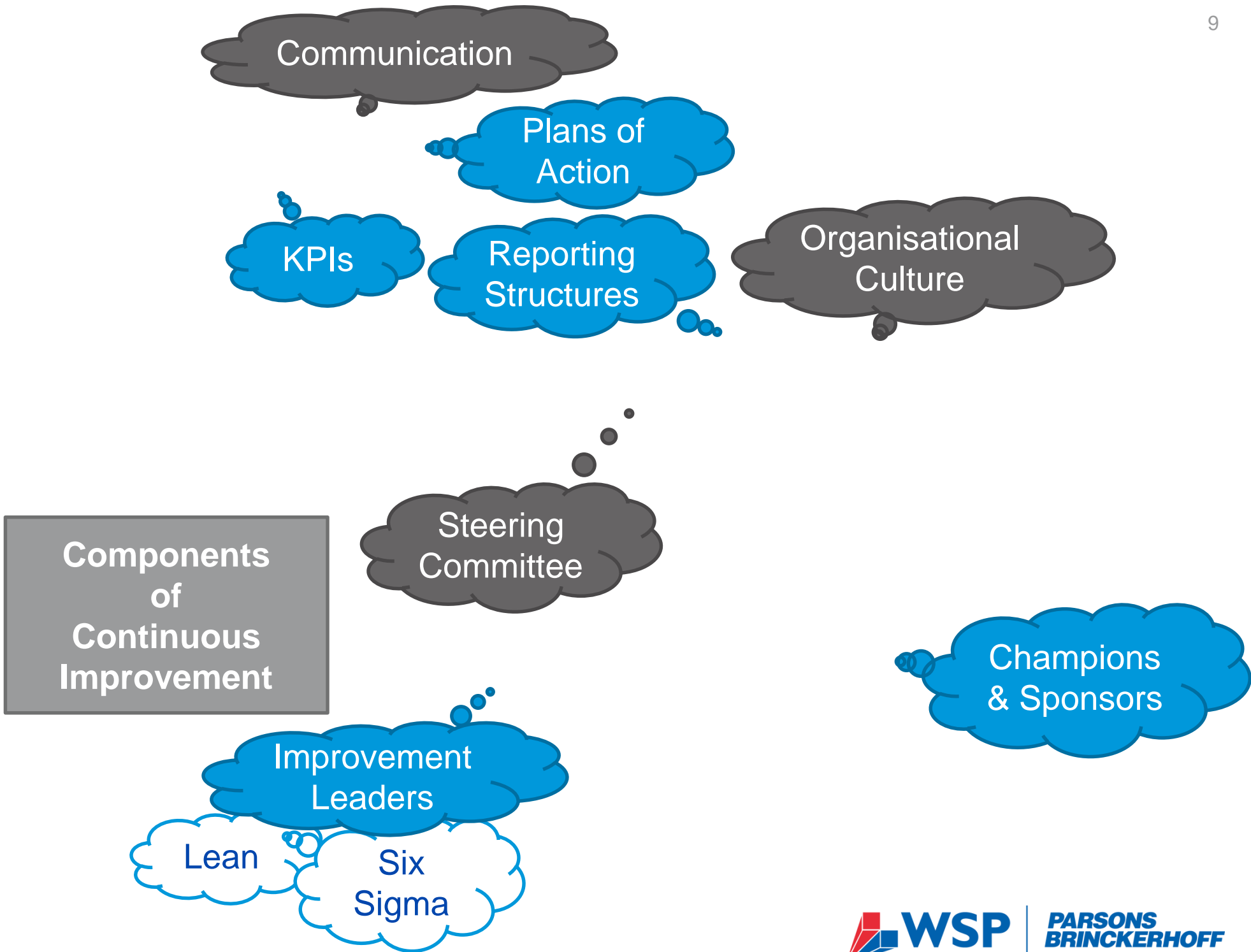


- Active supervision time taken from 27 to 72%
- Reduced scheme delivery time by 65 weeks 86%
- Halved scheme cost

2013-2015

HIGHWAYS ENGLAND AREA 4 – BBMM JV







NETWORK RAIL

GWEP LDO

- Design process alignment - £1.5m
- Construction Unit readiness - 1.7m
- Foundation database saved - £1.1m
- Trial hole process improvements - £80k
- Yellow belt projects saved - £60k



2014-2015

Communication

Organisational Culture

Decision Making Process

Support

Components of Continuous Improvement

Champions & Sponsors

Improvement Leaders

Lean Six Sigma

Training

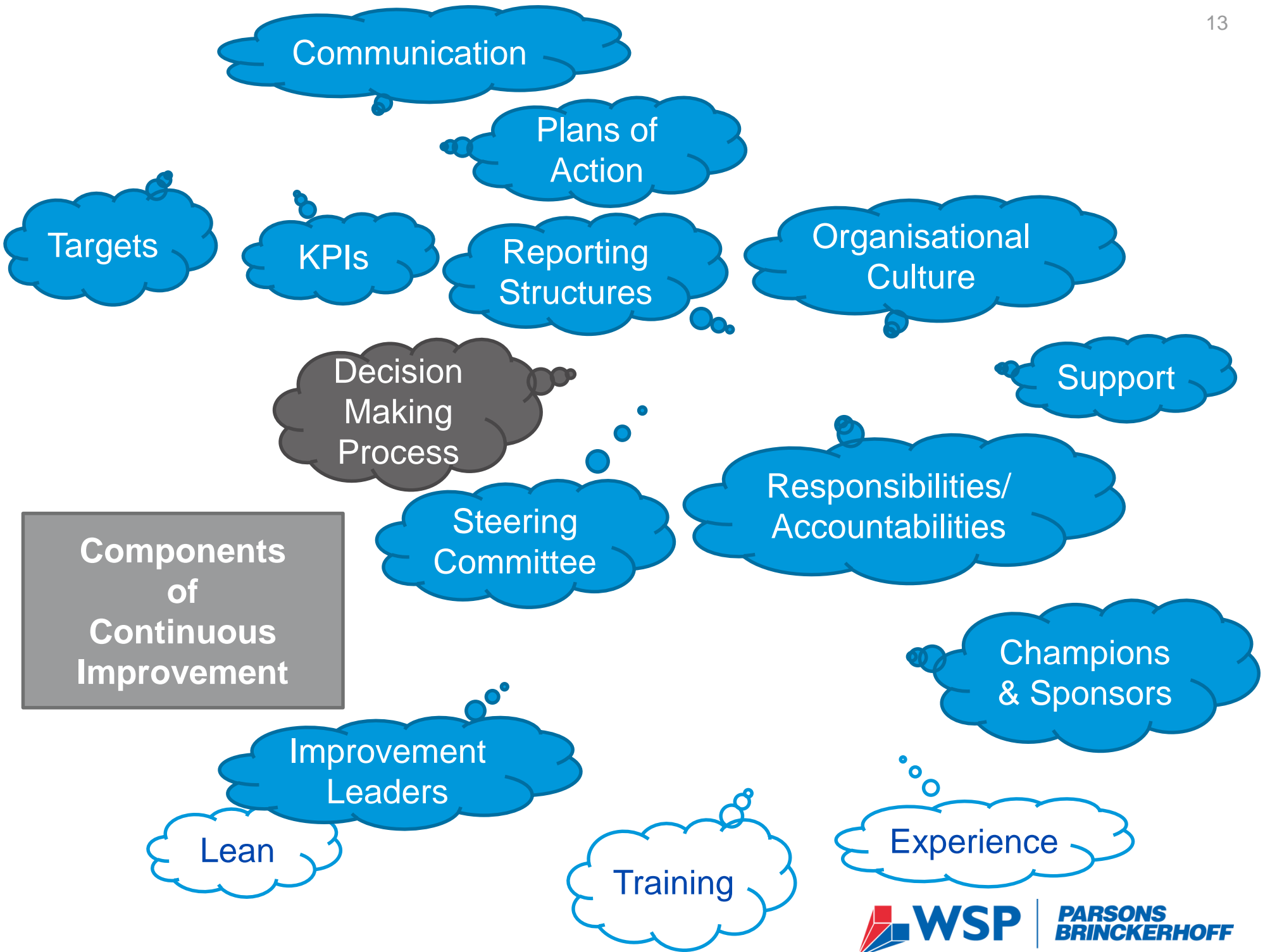
Experience



ESKOM MEDUPI POWER

- Revised Contracts to include Lean
- Percentage Plan Complete to over 80%
- Cables pull rates doubled
- 25% saving on floor slabs
- All of the last 150 target milestones achieved
- Productive hours up 60%

2015-2016



Communication

Plans of Action

Targets

KPIs

BS ISO 18404:2015

Reporting Structures

Organisational Culture

Quantitative methods in process improvement – Six Sigma – Competencies for key personnel and their organisations in relation to Six Sigma and Lean implementation

Decision Making Process

Support

Responsibilities/Accountabilities

Steering Committee

Champions & Sponsors

Improvement Leaders

Lean

Six Sigma

Training

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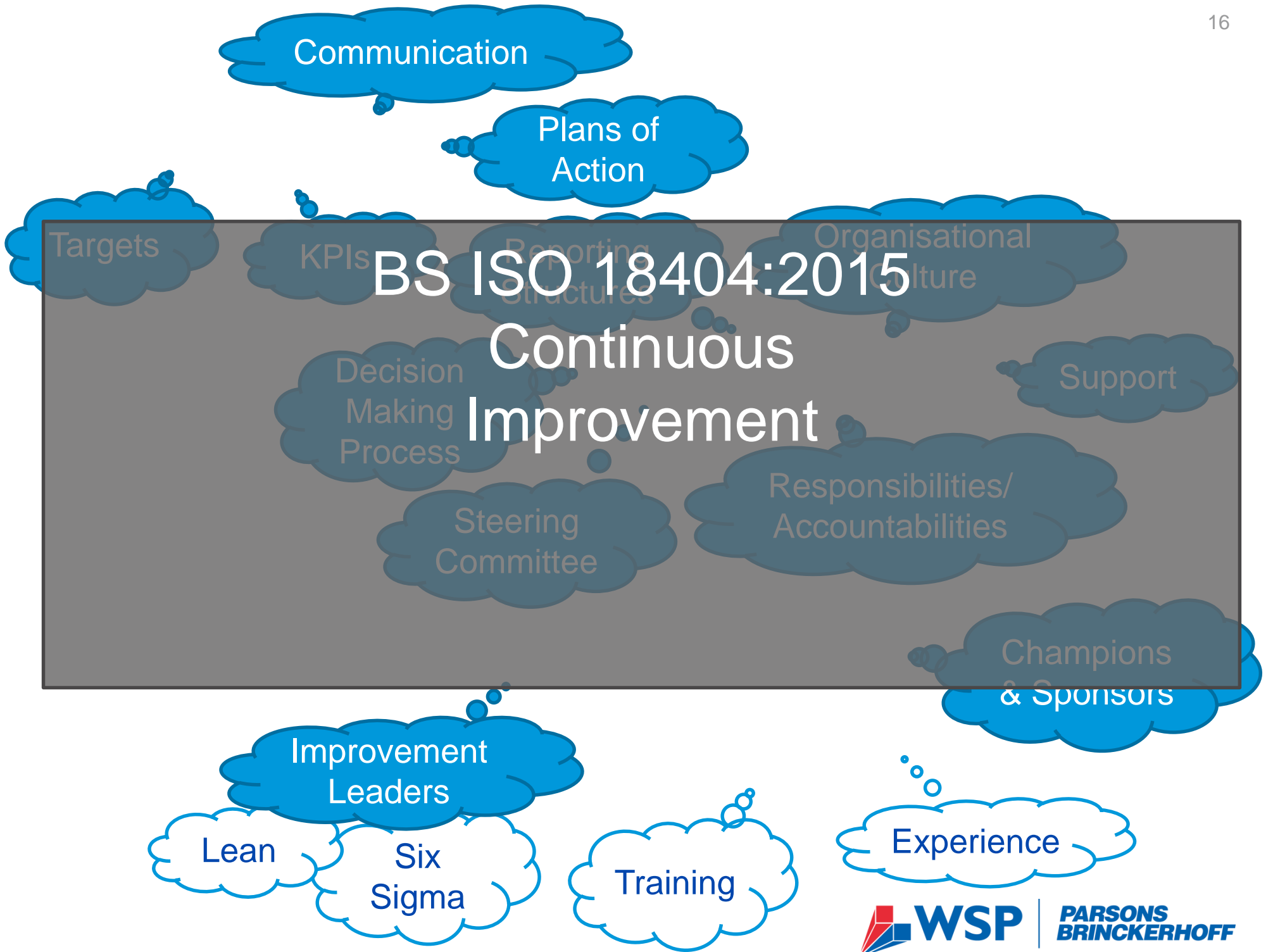
Improvement Leaders

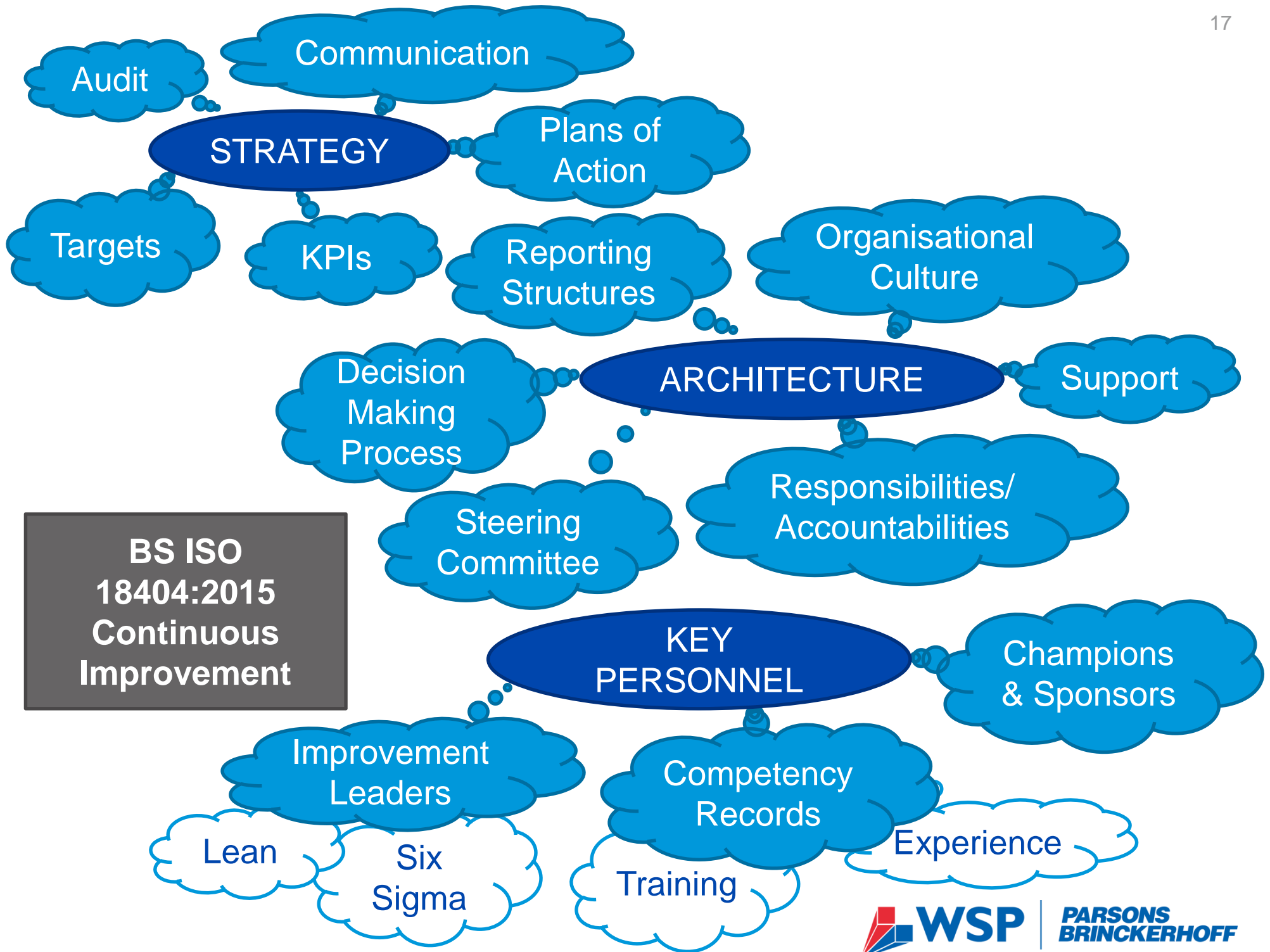
Lean

Six Sigma

Training

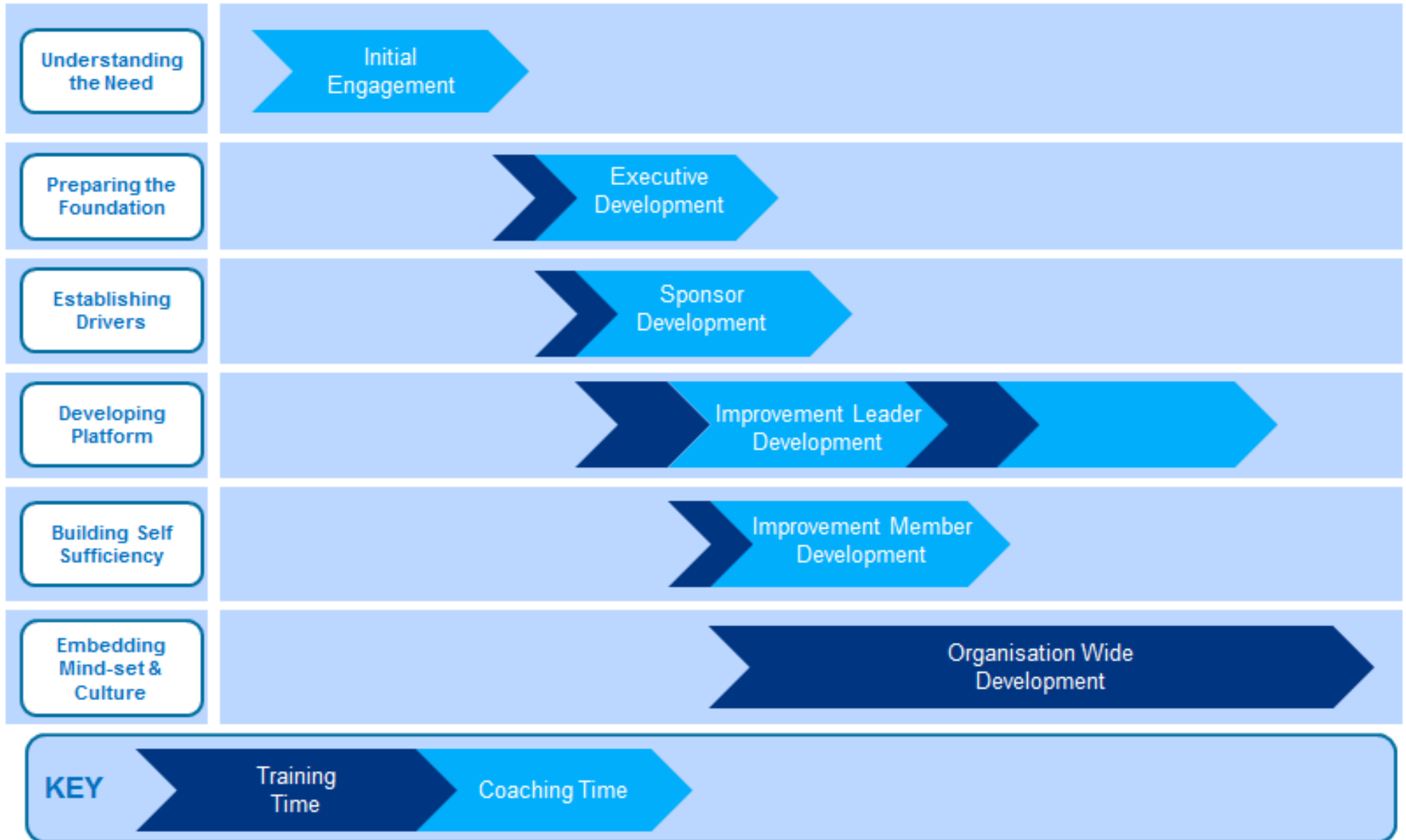
Experience





CONTINUOUS IMPROVEMENT DEVELOPMENT PROGRAMME

Course Delivery Framework





Leadership Lessons from Dancing Guy

by Derek Sivers
sivers.org/ff

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Continuous Improvement Development

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Establish a Strategy

Build the Architecture

Develop Key Personnel

Top Down leadership to

create a Movement

BS ISO 18404:2015