

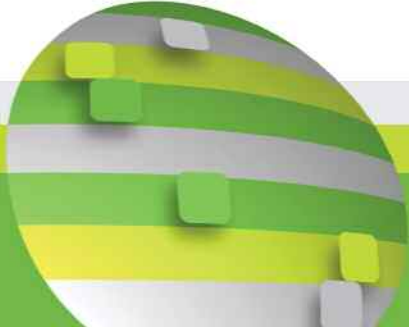


Pavement Condition Information Systems support contract

UK Roads Board Advisory Group

Presented by Barry Cleave  
17<sup>th</sup> March 2009





Objective


Support for Local Authority Pavement Condition Information Systems

".....to support local highways authorities in their use of information technology to deliver their road service."



So this is not just a new UKPMS & SCANNER support contract




## Topics





- 1 Roads Board requirements
- 2 Roads Board objectives
- 3 The approach we proposed
- 4 Our core team – TRL & Atkins & sub-consultants
- 5 Project work-streams and tasks



## UK Roads Board requirements - appoint a team to:






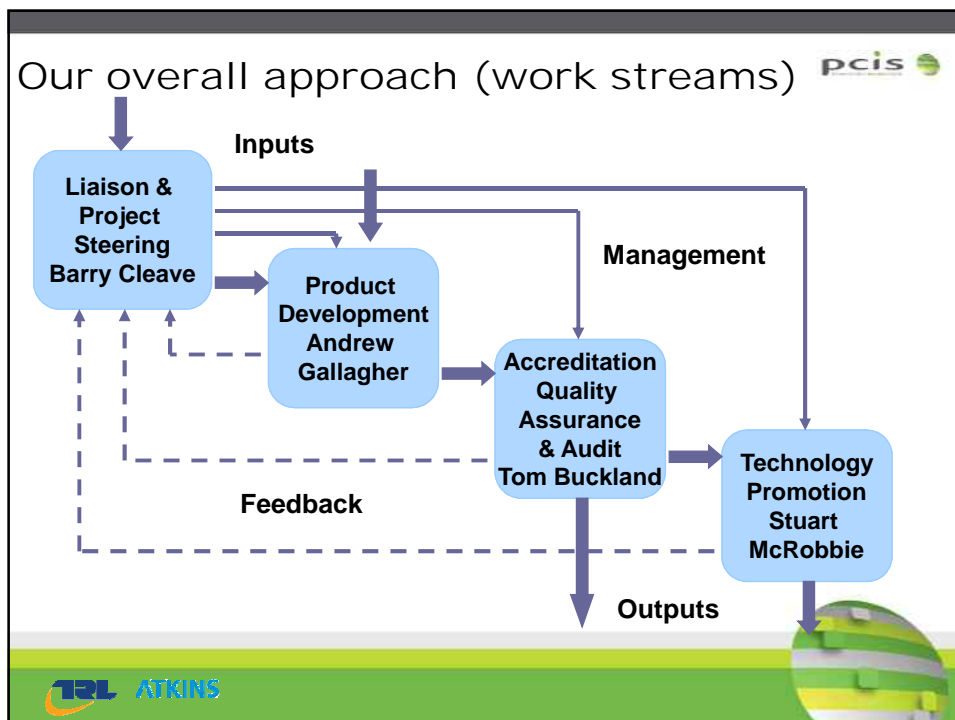
- Promote the use of PMS and SCANNER in local authorities
  - Identify and demonstrate the value and usefulness of the information and the systems
- Support commercial suppliers in the implementation of future UKPMS and SCANNER specifications
  - Those with systems accredited to the current specifications
  - Others with systems that are not yet accredited
- Support industry in the development of other data sources and their interface with PMS
  - Development and use of UKPMS to support local authority business processes has slipped behind the development of surveys and the collection of pavement condition data




UK Roads Board Objectives –  
appoint a team to:

- Promote the use of transport asset condition data through pavement information technologies within local highway authorities and their contractors
- Oversee the accreditation, quality assurance and audit of pavement information technologies
- Develop and implement the UKPMS and SCANNER core specifications

“Help all stakeholders to perceive stability, consistency and commitment in the development of UKPMS and SCANNER”

## PCIS core team



**TRL**



- Barry Cleave (project manager), Alex Wright (technical reviewer),
- Andrew Gallagher (co-ordinator and task manager)
- Tom Buckland, Stuart McRobbie (task managers),
- Richard Abell, Brian Ferne, Neil Anderson (technical specialists),
- Nick Anderson, Mary Treen (communications specialists),
- administrative and technical support

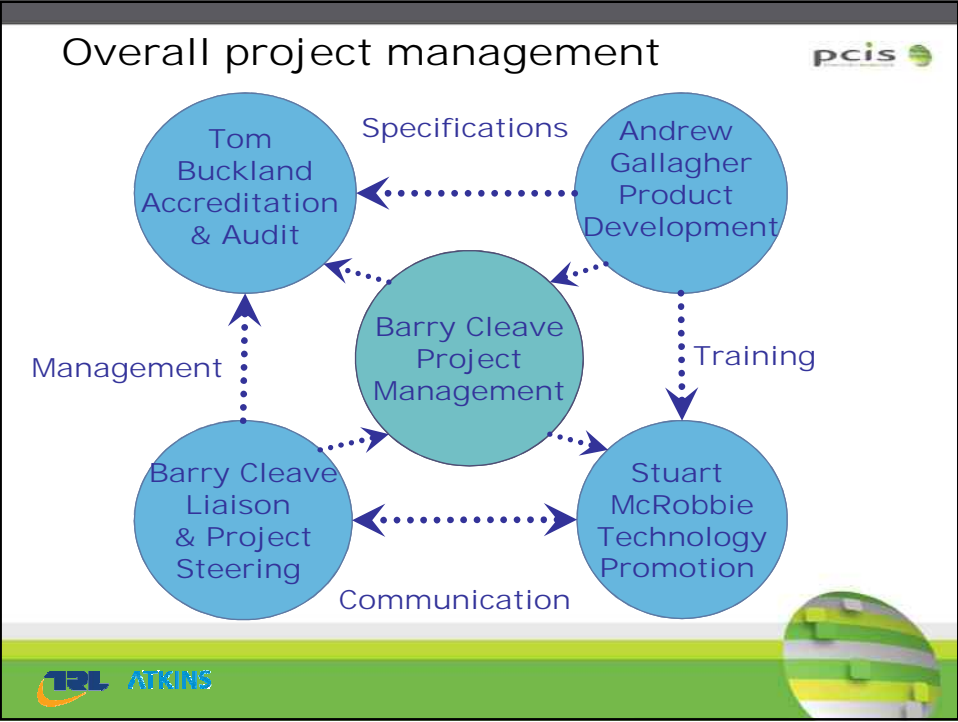
**Atkins**

- Lila Tachtsi (project manager),
- Alan Taggart, Mike Bordiss, Steven Cambridge, Mark Robson, Rob Vale (technical specialists),
- administrative and technical support

**Specialist sub-consultants**

- Barry Blunt; Ro Cartwright; Peter Davidson; James Wallis





## Liaison and project steering

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graph TD
    Inputs --> Liaison[Liaison & Project Steering Barry Cleave]
    Liaison --> Output[ ]
    
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## Project steering


Transition phase

<b>Contract awarded</b>	<ul style="list-style-type: none"> <li>▪ 25th June 2008 – Letter received 5th July 2008</li> <li>▪ Andrew Oldland project manager for DfT</li> </ul>
<b>Project Inception Meeting</b>	<ul style="list-style-type: none"> <li>▪ 18<sup>th</sup> July 2008 - Cambridge</li> <li>▪ Chris Capps project manager for UK Roads Board</li> </ul>
<b>Project team meeting</b>	<ul style="list-style-type: none"> <li>▪ 14<sup>th</sup> August 2008 – TRL Crowthorne</li> <li>▪ Tasks and programme agreed with Chris Capps</li> </ul>
<b>Strategic workshop</b>	<ul style="list-style-type: none"> <li>▪ 29<sup>th</sup> September 2008 - Leicester</li> <li>▪ Strategic objectives, governance and leadership agreed with Matthew Lugg and Roads Board representatives</li> </ul>



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## Project steering

Transition phase




<b>Roads Board</b>	<ul style="list-style-type: none"> <li>21st October 2008 -London</li> <li>Approved PCMG and RBAG</li> </ul>
<b>PCMG</b>	<ul style="list-style-type: none"> <li>3rd November 2008 - London</li> <li>What needs to be delivered, and by when</li> </ul>
<b>Project team meeting</b>	<ul style="list-style-type: none"> <li>19<sup>th</sup> November 2009 – TRL Crowthorne</li> <li>Completing transition, starting evolution</li> </ul>
<b>RBAG</b>	<ul style="list-style-type: none"> <li>6th February 2009, Leicestershire</li> <li>Postponed (due to SNOW)</li> </ul>






## Project steering

Evolution phase



<b>PCMG</b>	<ul style="list-style-type: none"> <li>12th February 2009, London</li> <li>Detailed programme for evolution</li> </ul>
<b>Project team meeting</b>	<ul style="list-style-type: none"> <li>25<sup>th</sup> February 2009 – TRL Crowthorne</li> <li>Delivering the changes required</li> </ul>
<b>RBAG</b>	<ul style="list-style-type: none"> <li>17<sup>th</sup> March 2009, Birmingham</li> </ul>
<b>PCMG</b>	<ul style="list-style-type: none"> <li>May / June, London</li> </ul>

## Liaison

Evolution phase



CSS HCAG	<ul style="list-style-type: none"> <li>▪ 20th November 2008 meeting in London</li> <li>▪ LA membership overlaps with RBAG</li> </ul>
HTMA	<ul style="list-style-type: none"> <li>▪ Chairman (Mike Notman, Amey) 24th November</li> <li>▪ Improvement &amp; Efficiency Group 14th January</li> <li>▪ Executive Committee 23rd January 2009</li> <li>▪ Representatives nominated for RBAG</li> </ul>
HELG	<ul style="list-style-type: none"> <li>▪ Met chairman, Mike Bordiss, 18<sup>th</sup> December, TRL</li> <li>▪ Mike will attend RBAG in future</li> </ul>
HAMFIG	<ul style="list-style-type: none"> <li>▪ Meeting 14th January in London</li> <li>▪ Paul Boss will be joining PCMG</li> </ul>

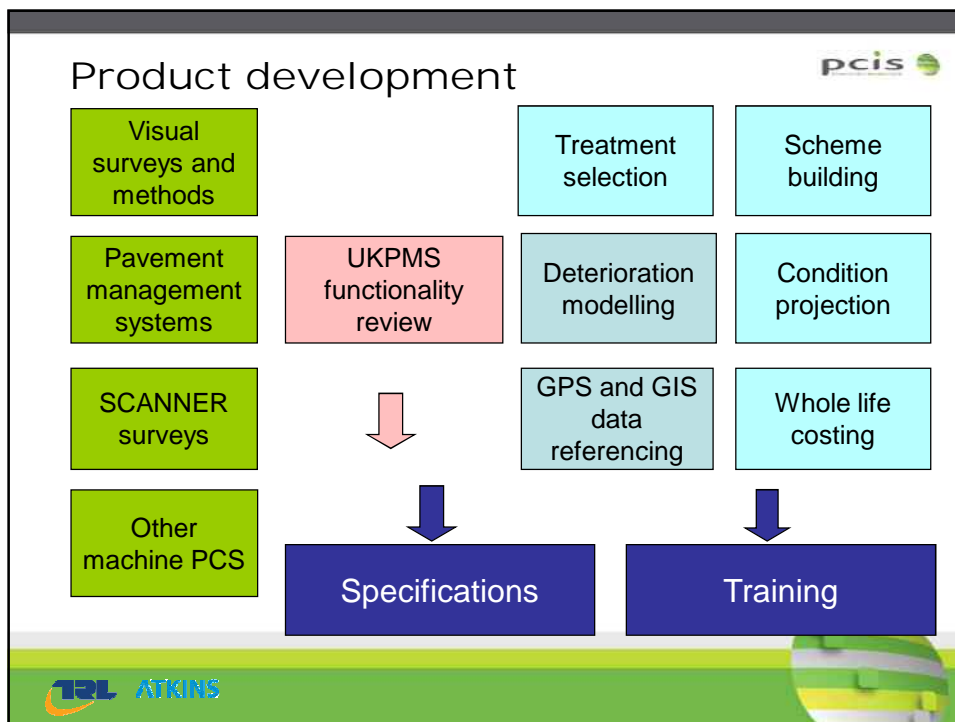
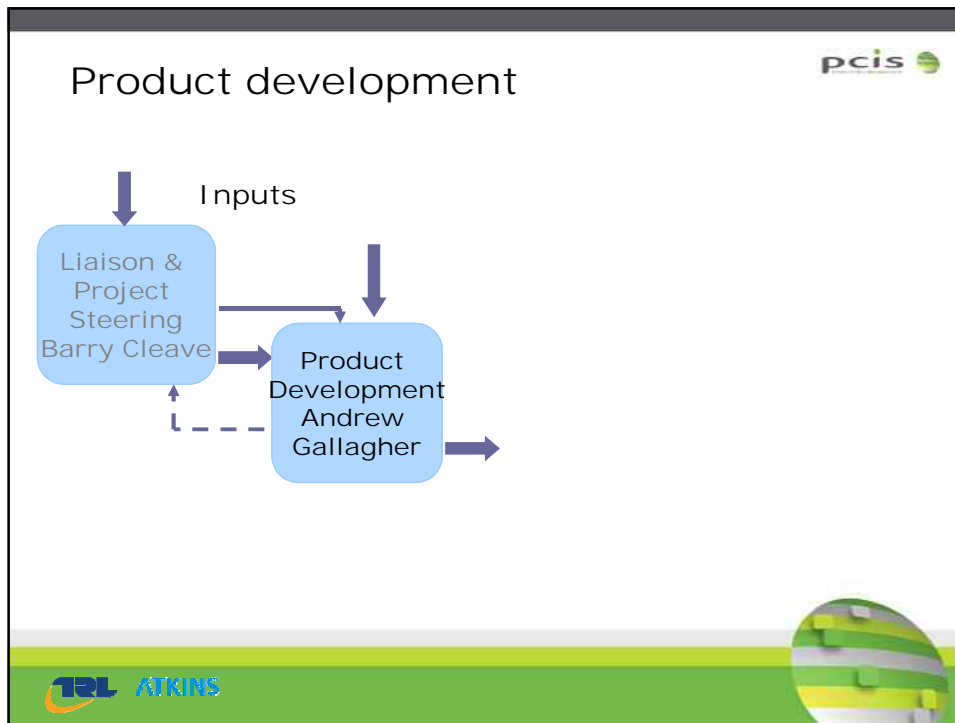



## Liaison

Evolution phase – more to do

DfT	<ul style="list-style-type: none"> <li>▪ Two working groups:                             <ul style="list-style-type: none"> <li>▪ Strategy for unclassified roads</li> <li>▪ NRMCS from SCANNER data</li> </ul> </li> </ul>
CSS	<ul style="list-style-type: none"> <li>▪ Asset Management Group (Paul Boss)</li> <li>▪ Highway Management Group (Chris Capps)</li> <li>▪ Transport Information Management Group</li> </ul>
LGA	<ul style="list-style-type: none"> <li>▪ Local Government Association</li> </ul>
NHT	<ul style="list-style-type: none"> <li>▪ National Highways and Transportation survey</li> </ul>




## Product development

Transition phase

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Indicators	<ul style="list-style-type: none"> <li>LA NI168 and NI169</li> <li>Weighting sets and Technical Notes</li> </ul>
Visual surveys	<ul style="list-style-type: none"> <li>Inspector accreditation</li> <li>Data capture devices</li> </ul>
SCANNER	<ul style="list-style-type: none"> <li>2008/09 User guide and Specification</li> </ul>
UKPMS	<ul style="list-style-type: none"> <li>Requirements for 2008 AHC</li> <li>Rules &amp; Parameters</li> </ul>

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## Product development

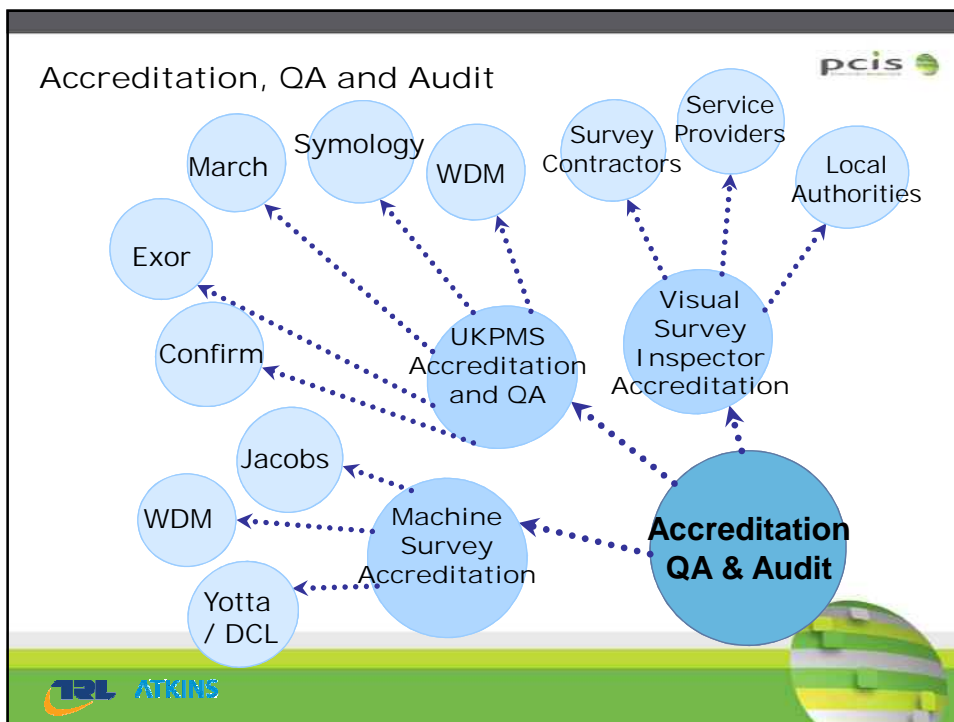
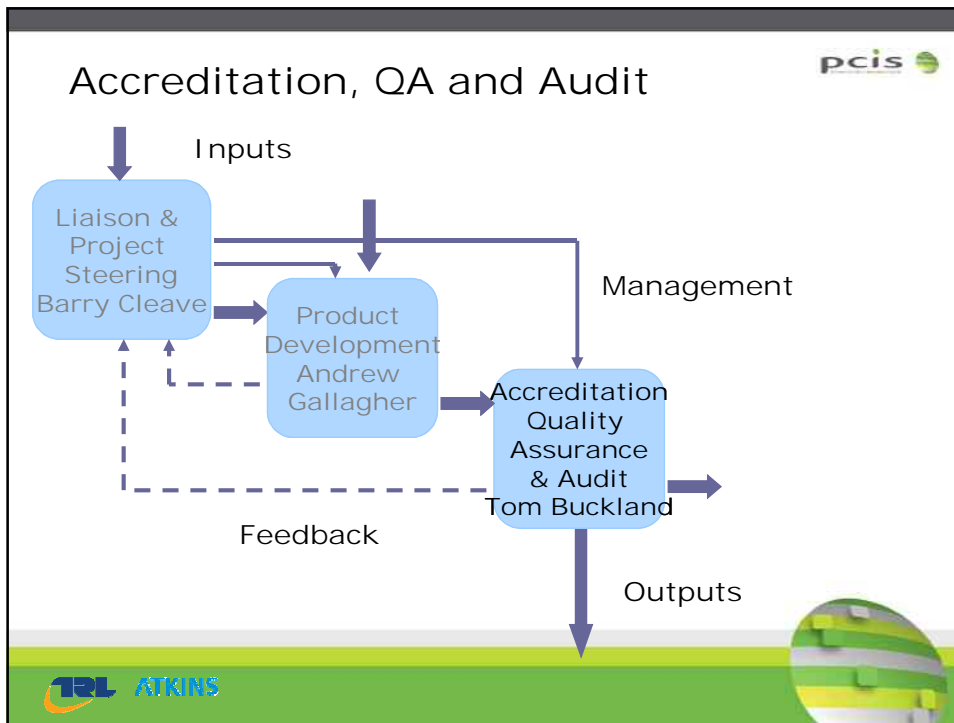
Evolution phase

pcis

Indicators	<ul style="list-style-type: none"> <li>Indicators for unclassified carriageways</li> <li>Indicators for footways and cycle tracks</li> </ul>
Visual surveys	<ul style="list-style-type: none"> <li>Amend and update Visual Survey Manual</li> <li>Prepare DCD accreditation test pack</li> </ul>
SCANNER	<ul style="list-style-type: none"> <li>Investigate anomalous results</li> <li>Review HA research for ideas</li> <li>Publish case studies as advice notes</li> </ul>
UKPMS	<ul style="list-style-type: none"> <li>Invite suggestions for 2009 revision</li> <li>Investigate what local authorities need and want</li> </ul>

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## UKPMS annual tasks



### Transition phase

- Rules & Parameters (aka Rule Set)
  - Agreement to retain RP8.01
- Weighting Sets
  - Weighting Sets have been published
- Annual Health Check
  - Annual Health Check has been released to Developers
- Technical Notes for national reporting
  - Technical Notes have been published on website
- Four systems have passed, one is undergoing user acceptance testing



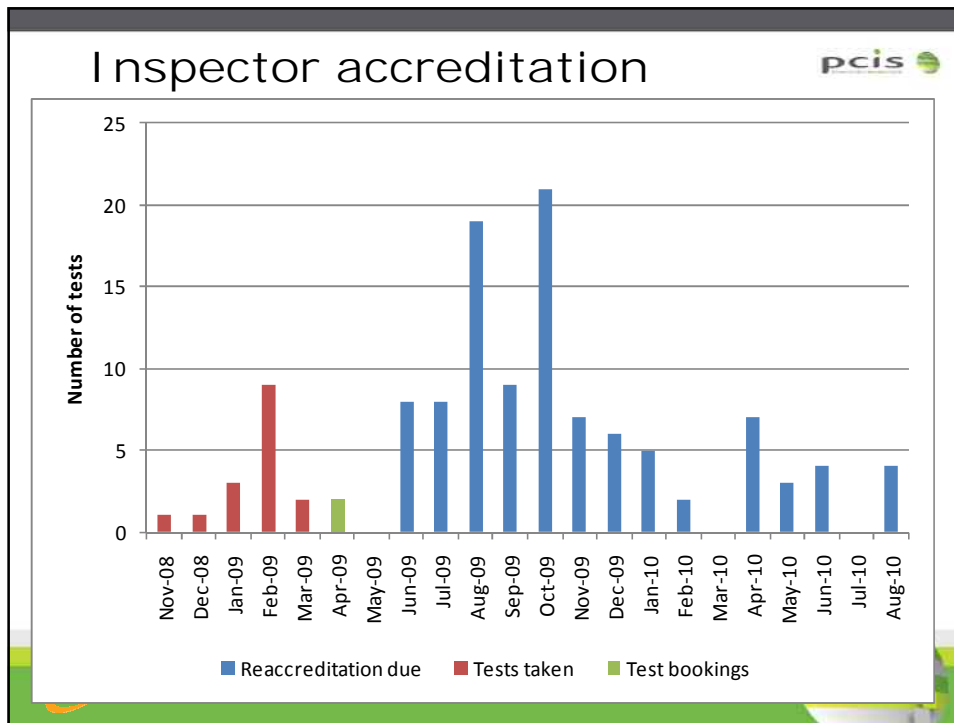
## Visual surveys



### Transition phase

- Re-establish process for Inspector accreditation
  - WDM and Scott Wilson have commenced (testing well re-established)
  - Yotta DCL moved offices to Leamington Spa (new test sites have recently been accredited)
  - Test booking form and procedure document on website
  - Process is running again at all three test centres
- Now issuing certificates
  - Number of accredited inspectors is starting to rise





## Visual surveys

Evolution phase

- Consult visual surveyors on their requirements and timetable
- Consult FCMG on their requirements and timetable
  - Liaison well advanced with Kevin Fuller
- Consult the unclassified road "task and finish" groups on their requirements and timetable
  - Through UK Roads Board
- Consult YOU (the RBAG) on your requirements and timetable
  - What would you like to see happen?

## Data Capture Devices



Evolution phase

- Requirements for DCD software accreditation
  - Meeting 17th October 2008 with industry,
  - Last DCD accreditation 2004, prior to latest Visual Survey Manual & therefore requires updating
  - Last DCD accreditation checked against most defects for PI production only. Concrete not fully covered
  - 70% updated in previous support contract to check all defects and all c/way types
  - All current commercial software would fail new accreditation process
- Accreditation test package being developed as part of Product Development



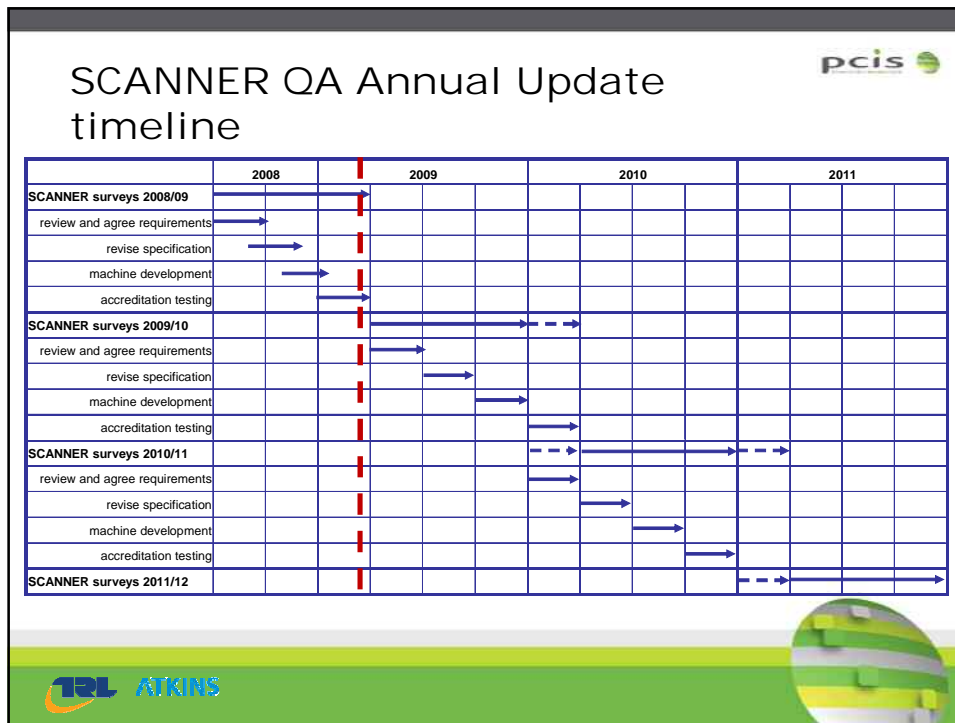
## SCANNER QA




Transition phase

- Established "Clients' Representative" role
- Regular (monthly) progress meetings held with TRL
- Eight monthly Clients' Representative reports submitted
- Currently 8 vehicles accredited
  - ARAN1; ARAN2; RAV1; RAV2; RAV3; RAV4; RAV5; and RST26
  - Re-accreditation testing commenced for 2009 surveys
- Two new vehicles booked for accreditation testing in 2009







- ## SCANNER QA
- ### Evolution phase
- Extend current TRL contract by 12 months
    - Original contract 2 years (2005 to 2007)
    - Previously extended by 2 years to 2009
    - Could be extended to a total of 5 years
  - Extension under consideration by DfT
    - to March 2010 (accreditation)
    - to September 2010 (QA and Audit)


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## SCANNER QA

Transformation phase



- Review TRL's performance of contract
- Develop specification for replacement contract
  - To be carried out by Mike Gibb (Atkins) + Andrew Gallagher
- Set up review panel
  - First meeting 8<sup>th</sup> April 2009 (Birmingham)
- Membership:
  - John Thorpe (chair), Will Bull, Phil Woodhouse,
  - Alistair Gow, Edward Bunting, Colin Christie
  - Jacobs, WDM, Yotta (contractors)
  - Wales, NIRS (by correspondence)

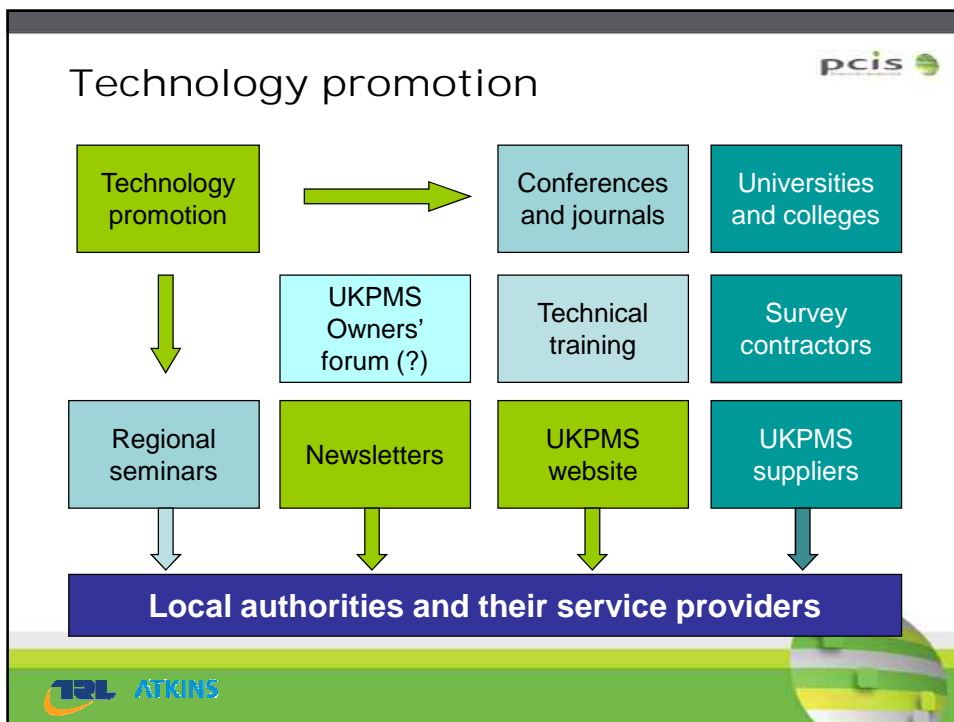
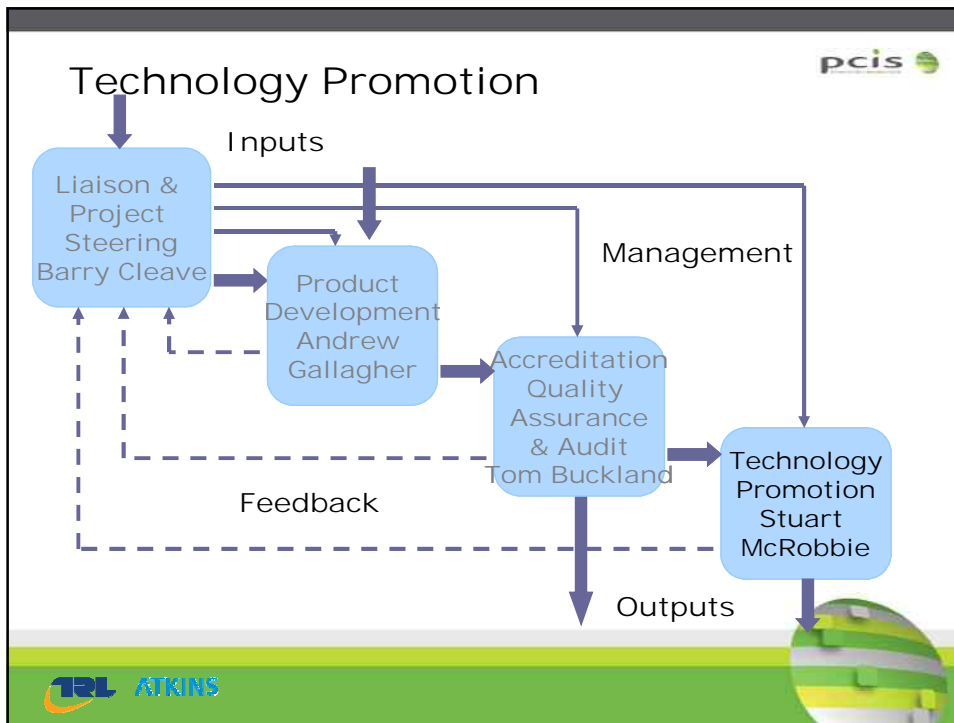



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## SCANNER QA Extend, Review and Replace timeline


	2008	2009	2010	2011
SCANNER accreditation				
Acceptance and accreditation				
QA and audit				
Proposed 1 year extension				
prepare documents				
prepare tender				
award extension				
Acceptance and accreditation				
QA and audit				
Review TRL performance				
convene group				
review performance				
report				
New SCANNER QA contract				
convene group				
agree specification				
issue for bids				
prepare tenders				
evaluate and award				
contractors preparations				
handover period				
acceptance accreditation				
QA and Audit				





## Technology promotion

Transition phase




Public Relations	<ul style="list-style-type: none"> <li>Press release</li> <li>News articles and presentations</li> </ul>
UKPMS website	<ul style="list-style-type: none"> <li>Transferred to TRL</li> <li>Minor amendments and updates</li> </ul>
Newsletters	<ul style="list-style-type: none"> <li>Six published so far (September – February)</li> <li>March in draft</li> </ul>
Owners' Forum	<ul style="list-style-type: none"> <li>Requirements not yet defined</li> <li>What does RBAG think about it?</li> </ul>






## Technology promotion

Evolution phase – four group of partners




Local authorities	<ul style="list-style-type: none"> <li>Identify local authorities using PCIS effectively</li> <li>Develop lessons on the effective use of PCIS</li> </ul>
UKPMS & SCANNER	<ul style="list-style-type: none"> <li>UKPMS developers</li> <li>SCANNER contractors</li> </ul>
Wider service providers	<ul style="list-style-type: none"> <li>Identify companies and individuals</li> <li>Involve them in the development and use of PCIS</li> </ul>
Others	<ul style="list-style-type: none"> <li>Professional institutions</li> <li>Universities and colleges</li> </ul>






## Technology promotion


Evolution phase

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New PCIS Website	<ul style="list-style-type: none"> <li>More modern feel, more accessible</li> <li>Easier to use and to find information</li> </ul>
Regional Seminars	<ul style="list-style-type: none"> <li>September and October 2009</li> <li>Convey information to a wider audience</li> </ul>
Training courses	<ul style="list-style-type: none"> <li>SCANNER and maintenance requirements</li> <li>Manipulating SCANNER data in PCIS</li> <li>Using PCIS more effectively</li> </ul>
Other approaches	<ul style="list-style-type: none"> <li>Presentations for local authority partners</li> <li>Articles in magazines and journals</li> </ul>


 

## Making a difference

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- Establishing PCMG
- Establishing RBAG
- RBAG informing UK Roads Board groups
- Liaison with external groups & bodies
- Informative & regular newsletters
- PCIS Branding
- New PCIS website – [pcis.org.uk](http://pcis.org.uk)



 


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## Making a difference

- Functional Review project let
- Further research – draft specs.
- New Inspector Accreditation process
- DCD Accreditation process
- Review of SCANNER audit
- Liaison with FCMG on new footway survey






 

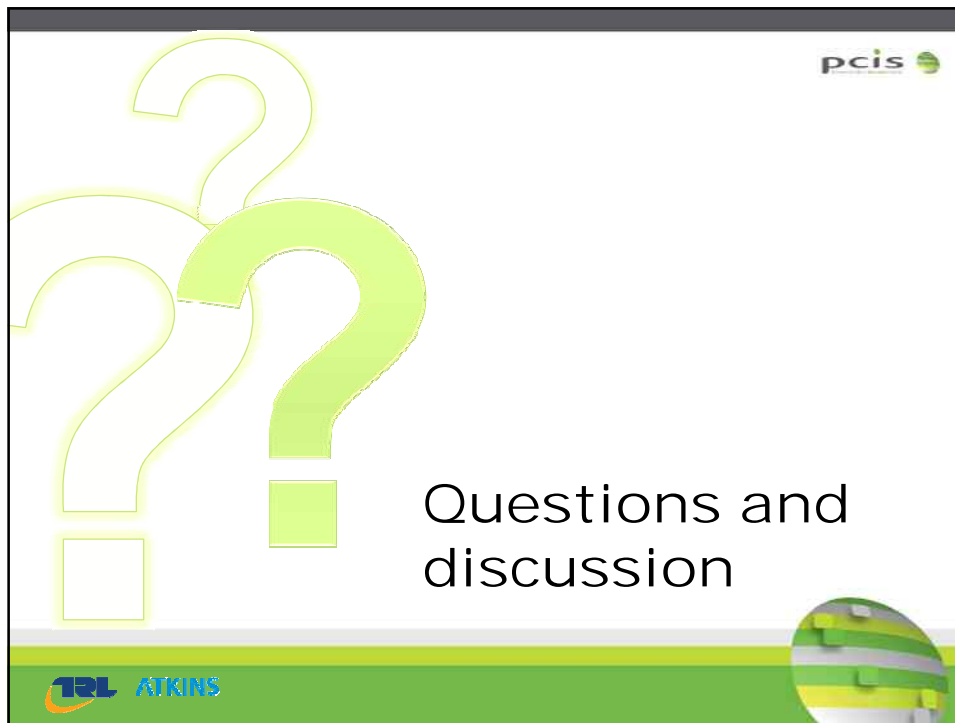
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## Making a difference

- New PCIS contract database
  - Helpdesk
  - Contacts
  - Documents
  - Actions
- Documented processes and procedures
- Single structured storage for all contract documents



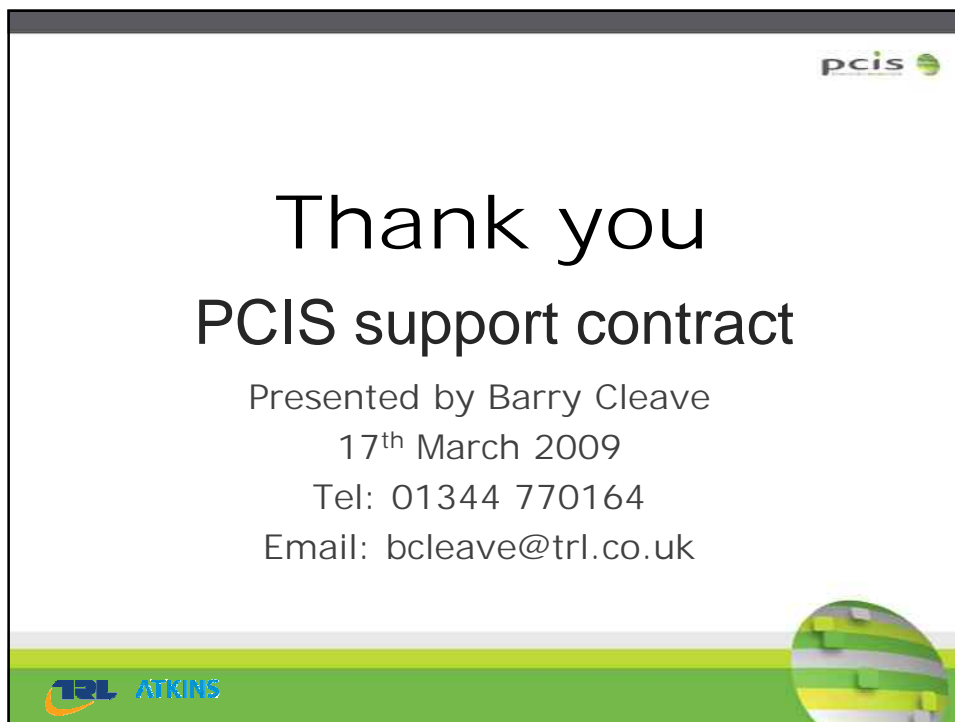


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Questions and discussion

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Thank you  
PCIS support contract

Presented by Barry Cleave  
17<sup>th</sup> March 2009  
Tel: 01344 770164  
Email: [bcleave@trl.co.uk](mailto:bcleave@trl.co.uk)

TRL ATKINS

A slide with a white background and a green footer. In the top right corner is the 'pcis' logo. The main text is centered and reads 'Thank you' in a large font, followed by 'PCIS support contract' in a slightly smaller font. Below this, it says 'Presented by Barry Cleave', '17<sup>th</sup> March 2009', 'Tel: 01344 770164', and 'Email: [bcleave@trl.co.uk](mailto:bcleave@trl.co.uk)'. In the bottom left corner is the 'TRL ATKINS' logo. In the bottom right corner is a small 3D globe icon with green and white stripes.