Coatings for the Corrosion Protection of Ancient and Modern Structures

Presentation to: ICorr: CED Working Day

Presented by: Nick Smart / Amec Clean Energy
Contents of presentation

- Welcome to Royal Armouries Conference Centre
- Safety
- Introduction to CED
- Background to meeting
- Programme
- Practical arrangements for day
Safety

- No alarms expected
- Fire escapes
Background to Corrosion Engineering Division

- CED is a mechanism for members to meet and discuss corrosion engineering issues related to their field of activity in the UK.

- A forum to facilitate the exchange of information and experience.

- A mechanism for members to jointly prepare documents that are of immediate and practical use to them in their field of activity, e.g.
  - Codes of practice, guidelines for processes and techniques, input to standards bodies, etc.
  - Existing CED documents could be updated as part of working group activities.
  - Template available for new documents

- A means of liaising and communicating with the working parties of international organisations (e.g. EFC, NACE, ISO)
  - Collaboration, not competition
  - Supported by EFC, NACE

- Allows focused discussion of local UK issues
CED organisation and management

- CED Chair (council member): Nick Smart (AMEC)
- CED Coordinator (I Corr technical secretary): Douglas Mills (Northampton University)

Working groups
- Coatings (chair Brenda Peters)
- Nuclear (chair Nick Smart)

Chairs not attending today:
- Monitoring (chair Bill Cox)
- Oil-field chemicals (chair Peter Allison)
- Water treatment (chair Pam Simpson)
- Cathodic protection (chair Ross Fielding)
- Corrosion in concrete (Ali Sharifi)

Others can be set up as required
Background to meeting

- ICorr Corrosion Engineering Division has held an annual working day since 2008
- The theme of this year’s meeting is coatings – from preserving the most ancient items to high tech applications at the forefront of nuclear technology
- Working groups today:
  - Coatings – Brenda Peters (new chair to be elected today)
  - Nuclear – Nick Smart
  - Combined water treatment and monitoring
  - Combined CP and corrosion in concrete
Programme for day

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter/Group</th>
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</thead>
<tbody>
<tr>
<td>09.00-9.30</td>
<td>Registration and coffee</td>
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<tr>
<td>9.30-9.45</td>
<td>Welcome and Introduction</td>
<td>Nick Smart (AMEC)</td>
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<tr>
<td>9.45-10.15</td>
<td>Corrosion, conservators and coatings: Dealing with corrosion in museum collections</td>
<td>Nyssa Mildwaters (Royal Armouries)</td>
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<tr>
<td>10.15-10.45</td>
<td>Steel bridge painting – achieving the optimum, long life performance</td>
<td>David Deacon, Will Deacon and Roger Hudson (SPC)</td>
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<tr>
<td>10.45-11.15</td>
<td>Refreshments and exhibition</td>
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<tr>
<td>11.15-11.45</td>
<td>Current coatings issues in the nuclear industry</td>
<td>Steve Walters (NNL)</td>
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<tr>
<td>11.45-12.15</td>
<td>Coating Applicator Training – an Introduction to the ICATS scheme</td>
<td>David Eyre (ICATS)</td>
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<td>12.15-13.30</td>
<td>Lunch</td>
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<tr>
<td>13.30-14.30</td>
<td>Working Group Meetings/Lab Tour</td>
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<tr>
<td>14.30-15.00</td>
<td>Coating defects, a contractors real life view of coating defects being witnessed in the field today</td>
<td>David Horrocks (BAM Nuttall Ltd)</td>
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<tr>
<td>15:00-15:30</td>
<td>Refreshments and exhibition</td>
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<tr>
<td>15.30-16.30</td>
<td>Working Group Meetings/Lab Tour</td>
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<tr>
<td>16.30-16.45</td>
<td>Closing discussion</td>
<td>Douglas Mills, (University of Northampton), chair</td>
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Practical arrangements

- Refreshments
- Exhibition
- Toilets
- Working group meetings and lab tour – split into two sessions
- Limited number of spaces on lab tours
  - Tour group 1 – 13.30 tour, 15.30 WG meeting
  - Tour group 2 – 15.30 tour, 13.30 WG meeting
  - List of group allocations shown during lunch break
  - Please show your ID when requested
- Please try and return to the auditorium on time for the lectures
- Speakers to stay for panel discussion at 16.30 – 16.45
- Free access to the museum when available
Plan of venue

- Lecture area
- Exhibition area
- Lunch
- WCs

Wellington Suite
Internal Balcony area - registration area

BAR
SERVICE AREA
## Tours groups and working groups

<table>
<thead>
<tr>
<th>TOUR GROUP 1 AT 13.30</th>
<th>WORKING GROUPS AT 15.30</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Coatings working group people (including Mike Platt, Steve Mabbutt) + William Whittaker, Trevor Osborne Black dot on badge</td>
<td>Coatings – Chair Brenda Peters, main auditorium CP &amp; Concrete – Chair Trevor Osborne, Tower Suite</td>
</tr>
<tr>
<td>TOUR GROUP 2 AT 15.30</td>
<td>WORKING GROUPS AT 13.30</td>
</tr>
<tr>
<td>All nuclear corrosion working group people (including Andrew Higson) + David Nuttall, Hermann Potgeiter, Phil Picton, Robert Cole Blue X on badge</td>
<td>Nuclear – Chair Nick Smart, main auditorium Monitoring and Water Treatment – Chair Herman Potgeiter, Tower Suite</td>
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</tbody>
</table>
And finally….

- Please get involved in the working groups between working days
- Intention to introduce award for achievements in the field of corrosion engineering – the Paul McIntyre Medal. Award in 2015.
- Thanks to:
  - All the speakers and chairs
    - Presentations will be put in members area of ICorr web site
  - Organisers at ICorr
  - Exhibitors
  - Staff at The Armouries Conference Centre
  - You for coming!
- Please send feedback to: admin@icorr.org or post discussion to the LinkedIn Institute of Corrosion Group
- CPD certificates available on request
- Have a safe journey….