### Walney Wind Farm

**Track record 2016**

<table>
<thead>
<tr>
<th>Applied system</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topside</td>
<td>England</td>
</tr>
<tr>
<td>Intershield® 300 @ 175μm</td>
<td></td>
</tr>
<tr>
<td>Intershield 300 @ 175μm</td>
<td>Project owner</td>
</tr>
<tr>
<td>Interthane® 870 @ 60μm</td>
<td>Dong Energy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jacket</th>
<th>Applicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interzone® 954 @ 300μm</td>
<td>Smulders</td>
</tr>
<tr>
<td>Interzone 954 @ 300μm</td>
<td></td>
</tr>
<tr>
<td>Interthane 990 @ 80μm</td>
<td></td>
</tr>
</tbody>
</table>

**Surface**
- Carbon steel

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

```markdown
<table>
<thead>
<tr>
<th>Applied system</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topside</td>
<td>England</td>
</tr>
<tr>
<td>Intershield® 300 @ 175μm</td>
<td></td>
</tr>
<tr>
<td>Intershield 300 @ 175μm</td>
<td>Project owner</td>
</tr>
<tr>
<td>Interthane® 870 @ 60μm</td>
<td>Dong Energy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jacket</th>
<th>Applicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interzone® 954 @ 300μm</td>
<td>Smulders</td>
</tr>
<tr>
<td>Interzone 954 @ 300μm</td>
<td></td>
</tr>
<tr>
<td>Interthane 990 @ 80μm</td>
<td></td>
</tr>
</tbody>
</table>

**Surface**
- Carbon steel

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

www.international-pc.com   |   pc.communication@akzonobel.com

---

**Walney Wind Farm**

---

```
Blyth Gravity Based Foundations

Track record 2017

Products/system used
1st coat - Interzone® 954 Red Brown @ 250μm
2nd coat - Interzone 954 Ral 7035 @ 250μm
3rd coat - Interzone 954 Buff @ 250μm
4th coat - Interthane® 990 Ral 1023 @ 80μm

Owner
EDF Energy Renewables

Applicator
Smulders Hoboken

Location of application
Hoboken

Surface
Blasted Sa 2½
Racebank Substation
Track record 2016

Applied system
Intershield® 300 @ 175μm
Intershield 300 @ 175μm
Interthane® 870 @ 60μm

Location of application
Arendonk/Hoboken

Project owner
Dong

Applicator
Iemants Steelconstruction nv

Surface preparation
Blasted Sa 2½

Project size
100,000 liters
Luchterduinen Topside, Jacket and 43 Transition Pieces

Track record 2016

Location of application
Arendonk/Hoboken

Project owner
Van Oord b.v.

Applicator
Iemants Steelconstruction nv

Surface preparation
Blasted Sa 2½

Utility
Eneco

Applied system
Interzinc® 52 @ 75μm
Intergard® 475 HS @ 200μm
Interthane® 990 @ 60μm

Project size
50,000 liters

Applied system
Interzone® 954 @ 300μm
Interzone 954 @ 300μm
Interthane 990 @ 80μm

Project size
60,000 liters
Gemini Topside, Jacket and 150 Transition Pieces
Track record 2016

Location of application
Arendonk/Hoboken

Applicator
Iemants Steelconstruction nv

Main contractor
Van Oord b.v.

Surface preparation
Blasted Sa 2½

Applied system
Jacket -
Interzone® 954 @ 300μm
Interzone 954 @ 300μm

Topside -
Interzinc® 52 @ 75μm
Intergard® 475 HS @ 200μm
Interthane® 990 @ 60μm

Project size
100,000 liters

Applied system
Transition pieces -
Interzone 954 @ 300μm
Interzone 954 @ 300μm
Interthane 990 @ 80μm

Project size
>250,000 liters
Dudgeon 67 transition pieces
Track record 2016

Applied system
Interzone® 954 @ 300μm
Interzone 954 @ 300μm
Interfine® 629 HS @ 80μm

Location of application
Arendonk/Hoboken

Project owner
Statoil - Statkraf

Applicator
Iemants Steelconstruction nv

Surface preparation
Blasted Sa 2½

Project size
> 140,000 liters
Godewind
Track record 2016

Applied system
Interzinc® 52 @ 60μm
Intergard® 475 HS @ 180μm
Interthane® 870 @ 80μm
Interthane 870 @ 80μm

Location of application
Arendonk/Hoboken

Project owner
Dong

Applicator
Iemants Steelconstruction nv

Surface preparation
Blasted Sa 2½

Project size
> 80,000 liters
Veja Mate Offshore Substation
Track record 2016

**Applied system**
Intershield® 300 @ 175μm (7 mils)
Intershield 300 @ 175μm (7 mils)
Interthane® 990 @ 60μm (2 mils)

**Location of application**
Germany - North Sea

**Project owner**
Highland Group

**Applicator**
Iemants Steel Construction

**Surface preparation**
Blasted Sa 2½

**ISO 12944 environment**
ISO20340
Burbo Bank Topside, Jacket and Transition Pieces

Track record 2016

Location of application
Europe

Project owner
Dong

Surface preparation
Blasted Sa 2½

Applied system
Topside, Jacket -
Intershield® 300 @ 175μm (7 mils)
Intershield 300 @ 175μm (7 mils)
Interthane® 870 @ 60μm (2 mils)

Applicator
Iemanst Steel construction

Project size
30,000 liters

Applied system
Transition pieces -
Interzone® 954
Interzone 954
Interthane 990

Applicator
OSB/Bladt

Project size
35,000 liters

www.international-pc.com   |   pc.communication@akzonobel.com
Offshore Wind Substations
Track record 2016

Projects
Race Bank, Burbo Bank, Walney Extension

Project Location
Off UK

Project Owner
Dong

Total capacity
1495MW

Number of sub-stations
5

Location of application
Benelux

Fabricator
Iemants / Fabricom

Products
Intershield® 300, Interzone® 954, Interthane 870, Interthane® 990, Intergard® 405
Greater Gabbard Wind Farm Offshore Substations

Track record 2009

**Location of project**
UK

**Products/system used**
Area 1 - Jackets
Interzone® 954 @ 500μm,
Interzone 954 @ 250μm

Area 2 - Transition pieces - decks
Interzone 954 @ 500μm,
Aggregate @ 3,000μm,
Interzone 954 @ 500μm

**Project owner**
Scottish and Southern Energy

**Applicator**
Burnt Island Fabrications

**ISO12944 environment**
C5M

**Total area**
30,000m² (322,917ft²)
Kenersys Wind Tower
Track record 2011

Location of project
India

Products/system used
Area 1 - Exterior
Interzinc® 52, Intergard® 475HS, Interthane® 990

Area 2 - Interior
Interzinc 52, Intergard 475HS

Project owner
Kenersys

Applicator/Fabricator
WINNP

Surface preparation
Sa 2.5

Total area
20,346m² (219,003ft²)
Suzlon Wind Tower
Track record 2010

Location of project
India

Products/system used
Area 1 - Internal
Interzinc® 52, Intergard® 345

Area 2 - External
Interzinc 52, Intergard 345, Intertane® 990

Project owner
Suzlon Energy

Applicator/Fabricator
Dong-Kuk S&C

Engineer
Sr. Manager

Total area
15,440m² (166,195ft²)

www.international-pc.com
pc.communication@akzonobel.com
Donghai Bridge
Offshore Wind Power

Track record 2010

Location of project
China

Products/system used
Interzinc® 52, Intergard® 475HS, Interthane® 990

Project owner
Shanghai Donghai Wind Power Co. Ltd

Applicator/Fabricator
Shanghai Electrical Power Machinery Works

ISO12944 environment
C5M/C4

Surface preparation
Sa2.5

Project size
70,000 litres (18,492 gals)
REpower Demonstration
Turbine, Husum

Track record 2007

Location of project
Germany

Project owner
REpower Systems

Products/system used
Area 1 - Turbine internals
Intercure® 99

Area 2 - Turbine externals
Interzinc® 52, Intercure® 99

ISO12944 environment
C4

www.international-pc.com
pc.communication@akzonobel.com
Location of project
Irish Sea (UK territorial waters)

Products/system used
Intercure® 200, Intergard® 269,
Intergard® 475HS, Interplus® 256,
Interseal® 670HS, Interthane® 870,
Interzinc® 52, Interzone® 954

Owners
Dong Energy, Scottish Power

Wind farm capacity
389MW

Asset
Offshore sub-station topside & jacket

Location of application
Netherlands

Fabricator
Iemants

ISO12944 environment
C5-M

www.international-pc.com
pc.communication@akzonobel.com
**DanTysk Offshore Wind Farm**

**Track record 2013**

<table>
<thead>
<tr>
<th>Location of project</th>
<th>Wind farm capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>German North Sea</td>
<td>288 MW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Products/system used</th>
<th>Asset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interzone® 954, Interfine® 878</td>
<td>Transition pieces and monopiles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owners</th>
<th>ISO12944 environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vattenfall, Stadtwerke München</td>
<td>C5-M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fabricator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smulders</td>
</tr>
</tbody>
</table>

www.international-pc.com
pc.communication@akzonobel.com
London Array Transition Pieces

Track record 2012

Location of project
North Sea

Project owner
DONG Energy, E.ON, Masdar

Wind farm capacity
630MW

Number of turbines
175

Assets coated
Transition pieces

Location of application
Denmark

Fabricator
Bladt

ISO12944 environment
C5-M

Images courtesy of London Array Limited

www.international-pc.com
pc.communication@akzonobel.com
Dolwin Alpha Offshore Converter Platform

Track record 2013

**Location of project**
German North Sea

**Weight**
9000 tonnes

**Offshore wind projects supported**
MEG 1, Borkum West 2

**Capacity**
800MW

**Location of fabrication**
Netherlands

**Contractor**
Heerema Fabrication Group

**Products/system used**
- Interzinc® 52
- Intergard® 475HS
- Interthane® 990
- Intershield® 300
- Intergard 740

**Packages**
Deck Areas, Structural Steel, Escape Routes

**Volume**
75,000 litres

www.international-pc.com
pc.communication@akzonobel.com
REpower Demonstration Turbine

Case history 2012

Focus products: Turbine Internals - Intercure 99, Turbine Externals - Interzinc 52 and Intercure 99

Original coating project: 2007
Country of fabricator: Germany
Fabricator: SIAG
Project owner: REpower Systems
ISO12944 environment: C4

Five years in-field performance with no coating breakdown, rusting, flaking or delamination. The coating looks ‘good as new’ even on welds, edges and corners.

www.international-pc.com
pc.communication@akzonobel.com
Acciona Wind Towers

Track record 2013

Location of project
Nova Scotia, Canada

Turbine manufacturer
Acciona

Fabricator
DSTN / DSME Trenton

Projects
Hermanville & Clear Springs (30MW)

Products/system used
Interzinc® 52, Intergard® 345, Interfine® 878

Number of turbines
10

ISO12944 environment
C4
Fukushima Recovery Floating Offshore Wind Project

Track record 2013

Location of project
Japan

Areas coated
Floating foundation

Products used
Intershield® 300, Interfine® 878

Foundation manufacturer
MES (Mitsui)

ISO12944 environment
C5-M Offshore

Water depth
120 metres (394 ft)

Distance to shore
20km (12½ miles)
Westermost Rough Offshore Wind Farm

Track record 2014

Location of project
North Sea, 9km off the UK

Products/system used
Interzone® 954, Interthane® 990

Owners
Dong Energy

Wind farm capacity
210MW

Location of application
Denmark

Number of assets
35

Fabricator
Bladt Industries

Asset/areas coated
Transition pieces and monopiles

ISO12944 environment
C5-M

www.international-pc.com
pc.communication@akzonobel.com
Borkum Riffgrund
Offshore Wind Farm
Track record 2014

Location of project
North Sea, 37km off Germany

Products/system used
Interzone® 954, Interthane® 990

Owners
Dong Energy

Wind farm capacity
277MW

Number of assets
77

Asset/areas coated
Transition pieces and monopiles

Location of application
Denmark

Fabricator
Bladt Industries

ISO12944 environment
C5-M

www.international-pc.com
pc.communication@akzonobel.com
Enercon Wind Towers

Track record 2015

Location of project
Turkey

Products/system used
Area 1 - Internal system for structural steel
Interseal® 1052 @ 140μm (6 mils)
Interthane® 870 @ 60μm (2 mils)

Area 2 - External system for structural steel
Interseal 1052 @ 250μm (10 mils)
Interthane 870 @ 70μm (3 mils)

Project owner
Çimtaş Steel

ISO12944 environment
C3/C5

Project size
8,500m² (91,493ft²)
Location of project
Kırşehir, Turkey

Products/system used
Area 1 - Internal system for structural steel
Intercure® 200HS @ 150μm (6 mils)
Interthane® 990SG @ 50μm (2 mils)

Area 2 - External system for structural steel
Interzinc® 52 @ 70μm (3 mils)
Intergard® 475HS @ 190μm (8 mils)
Interthane 990SG @ 60μm (2 mils)

Project owner
Enercon Wind Towers

Applicator
Ateş Çelik Welding & Coating

ISO12944 environment
C4 Semi industrial (medium durability)

Project size
9,450m² (101,719ft²)
5,300 lt (1,400 gals)

www.international-pc.com
pc.communication@akzonobel.com
Alstom Wind Towers

Track record 2014

Location of project
Turkey

Products/system used
Area 1 - Internal System for Structural Steel
Interzinc® 52 @ 60μm (2 mils)
Intergard® 345 @ 100μm (4 mils)

Area 2 - External system for structural steel
Interzinc® 52 @ 60μm (2 mils)
Intergard® 345 @ 115μm (5 mils)
Interthane® 990 @ 75μm (3 mils)

Project owner
Alstom Wind Towers

Applicator
Gestamp Wind Steel

ISO12944 environment
C4 Semi industrial (medium durability)

Project size
9,000m² (96,875ft²)

www.international-pc.com
pc.communication@akzonobel.com
GE Wind Towers

Track record 2014

Location of project
Turkey

Products/system used
Area 1 - System for Structural Steel - Internal System
  Interzinc® 52 @ 60μm
  Intergard® 475HS @ 80μm
  Interthane® 870 @ 60μm

Area 2 - System for Structural Steel - External System
  Interzinc® 52 @ 60μm
  Intergard® 475HS @ 150μm
  Interthane® 870 @ 70μm

Project owner
GE Wind Towers

Applicator
Gestamp Wind Steel

ISO12944 environment
C4 Semi industrial (medium durability)

Project size
31,860 m² (342,938 ft²)
24,000 lt (6,340 gals)

www.international-pc.com
pc.communication@akzonobel.com
Nordex Wind Towers

Track record 2014

Location of project
Turkey

Products/system used
System for Structural Steel - Internal System
Intergard® 345 - 130µm (5.1 mils) dft
Interthane® 3230SG - 50µm (2 mils) dft

System for Structural Steel - External System
Interzinc® 52 - 50µm (2 mils) dft
Intergard® 345 - 140µm (5.5 mils) dft
Interthane® 3230SG - 50µm (2 mils) dft

Project owner
Nordex Wind Towers

Applicator
Gestamp Wind Steel

ISO12944 environment
C4 Semi Industrial (Medium Durability)

Project size
20,000m² (215,278ft²)

www.international-pc.com
pc.communication@akzonobel.com
### Amrumbank West offshore wind farm

**Track record 2013/14**

<table>
<thead>
<tr>
<th>Location of project</th>
<th>Wind farm capacity</th>
<th>Fabricator</th>
</tr>
</thead>
<tbody>
<tr>
<td>German North Sea</td>
<td>288MW</td>
<td>Smulders</td>
</tr>
</tbody>
</table>

**Products/system used**

- Interthane® 990, Interzone® 954

**Asset/areas coated**

- Transition pieces

**Location of application**

- Netherlands

www.international-pc.com

pc.communication@akzonobel.com
Senvion Wind Power

Track record 2015

Location of project
Turkey

Products/system used

- **Internal system**
  - Interzinc® 52 @ 40µm (2 mils)
  - Intergard® 345 @ 120µm (5 mils)
  - Interthane® 3230SG @ 60µm (3 mils)

- **External system**
  - Interzinc 52 @ 40µm (2 mils)
  - Intergard 345 @ 120µm (5 mils)

Project owner
Senvion Wind Power

Applicator
Gesbey Gestamp

ISO12944 environment
C3/C5

Total area
2,000m² (21,528ft²)

www.international-pc.com
pc.communication@akzonobel.com
Gamesa Wind Towers
Track record 2016

Location of project
Turkey

Products/system used
Internal system -
Intergard® 345 @ 160μm (6 mils)

External system -
Interzinc® 52 @ 60μm (2 mils)
Intergard 475HS @ 150μm (6 mils)
Interthane® 990 @ 60μm (2 mils)

Applicator
Gesbey Gestamp

ISO12944 environment
C4

Project size
46,000m² (495,140ft²)

www.international-pc.com
pc.communication@akzonobel.com