Madrid, 19 y 20 de septiembre de 2017

II Jornada internacional sobre extensión de vida de parques eólicos

Patrocinada por:

SIEMENS Gamesa RENEWABLE ENERGY

Ingeteam

DNV·GL

Organizada por:

aee
Asociación Empresarial Eólica

19 de septiembre

09h00 **Inauguración**

Rocío Sicre. *Presidenta*. AEE
Juan María Vázquez Rojas. *Secretario General de Ciencia e Innovación*. Ministerio de Economía, Industria y Competitividad

09h15 **Lecciones aprendidas de la extensión de la vida útil de los parques eólicos**

Moderador: Alberto Ceña. *Coordinador de los Servicios Técnicos*. AEE

- Principales factores para extender la vida de los parques
- Nuevas soluciones para mejorar la generación
- Implicaciones técnicas y económicas de la extensión de vida de parques eólicos
  - Manfred Lührs. *Fundador*. 8.2 Group
  - Antonio Herrera. *Responsable de Tecnología Mecánica y Civil*. EDP Renewables Europe
  - Juan Tesón. *Responsable de Mantenimiento del área de O&M de Eólica, Solar y Biomasa* de Enel Green Power España, división de renovables de Endesa
  - Belén Linares. *Directora de Innovación e I+D*. Acciona Energía

10h30 **Determinar la vida útil a través de la simulación. Los procedimientos de validación estructural**

Moderador: Juan Carlos Martínez-Amago. *Director para Iberia & LATAM*. Romo Wind

- Limitaciones y ventajas de los modelos aero elásticos
- Validación y seguimiento de los modelos
- Principales factores que afectan a la vida remanente
  - Rubén Ruiz de Gordejuela. *CTO*. Nabla Wind Power
  - Ricard Builes. *Responsable de Análisis de cargas*. DNV GL
  - Alfonso Faubel. *Presidente para Europa y CRO, Energía*. Sentient Science

11h30 **Café**

12h00 **Nuevos modelos de negocio de los OEM: suministro de componentes y garantías**

Moderador: Tomás Romagosa. *Director Técnico*. AEE

- Implicaciones de la extensión de vida: acuerdos contractuales
- Suministro de grandes y pequeños componentes
- Nuevos modelos operacionales, "derating", alineación…
  - Christian Jourdain. *Responsable de Marketing y Comunicación de Service*. Siemens Gamesa Renewable Energy
  - Francisco Javier Docampo. *Líder del equipo de proyectos especiales, mejora continua y scada*. Vestas

12h45 **El mantenimiento orientado a la extensión de vida: elementos críticos y soluciones**

Moderador: José Manuel Marco. *Responsable del Departamento de Consultoría en Renovables para España y Portugal*. DNV GL

- Nuevos métodos de diagnóstico y evaluación
- Métodos avanzados de reparaciones
- Cambios en los servicios de mantenimiento preventivo y predictivo
  - Enrique Camacho. *PdM and Life Extension Products Coordinator Services B.U*. Ingeteam
  - Ramón López. *Director*. Esteyco Energía
  - Ander Larrañaga. *Responsable Comercial Energía*. NEM Solutions

13h45 **Almuerzo**

Patrocinado por: Vestas

15h15 **La digitalización de parques y aerogeneradores: aplicación a la extensión de vida**

Moderador: Juan Virgilio Márquez. *Director General*. AEE

- Recogida de datos y desarrollo de modelos a partir de la operación de parques
- Métodos de validación
- Respuesta a los métodos de certificación
  - Víctor Hernández. *Director de Ventas Servicios Onshore wind EMEA*. GE Renewable Energy
  - Jordi Cusidó. *CEO*. Smartive
  - Diego Galar. *Resp. de mantenimiento y fiabilidad*. Tecnalia

16h15 **Café**

16h30 **Los procedimientos de supervisión y diagnóstico**

Moderador: Carlos Gironés. *Director I+D*. Ingeteam Wind Energy

- Vida útil en el 61400-1, limitaciones y mejoras
- ¿Quién solicita los diagnósticos?
- ¿Qué garantías se facilitan?
  - Jose Javier Ripa. *Responsable de Europe and LATAM*. UL Dewi
  - Daniel Arranz. *Director de Certificación de productos eléctricos y electrónicos*. SGS Group Spain
  - Iñaki Camino. *Director comercial*. 4Fores

17h30 **Los requisitos para alargar la vida de componentes críticos: reparación y sustitución**

Moderador: Elena Velázquez. *Ingeniera de proyecto*. AEE

- Reutilización de los componentes de los aerogeneradores desmantelados
- ¿Componentes nuevos o de segunda mano?
  - Generadores. Xavier Singla. *Responsable de soluciones técnicas de servicio*. ABB
  - Palas. Carlos Bermúdez de Castro. *Director General*. GDES Wind
  - Multiplicadoras. Raúl Vallejo. *Gerente*. Wind Power Inside

18h30 **Clausura**

Juan Virgilio Márquez. *Director General*. AEE

2nd International Summit on Wind Farms Life Extension

19th of September 2017

09h00

Opening session

Rocío Sicre. *Chairwoman*. AEE
Juan María Vázquez Rojas. *Secretary General for Science and Innovation*. Ministry of Economy, Industry and Competitiveness

09h15

Life extension of wind farms: Lessons learnt

Chairman: Alberto Ceña. *Technical Services Coordinator*. AEE

- Main factors influencing in the decision to extend the life.
- Introduction of solutions to improve the generation
- Economic and technical implications of the extension version repowering
  - Manfred Lührs. *Founder*. 8.2 Group
  - Antonio Herrera. *Head of Mechanical and Civil Technology*. EDP Renewables Europe
  - Juan Tesón. *Head of Maintenance of O&M of Wind, PV and Biomass* of Enel Green Power España, renewables division of Endesa
  - Belén Linares. *Director of Innovación e I+D*. Acciona Energía

10h30

Simulation tools to determine the estimated lifespan of wind turbines. Procedures for structural validation

Chairman: Juan Carlos Martínez-Amago. *Country manager Iberia & LATAM*. Romo Wind

- Limitations and advantages of the external aerolastic models
- Validation and follow up of the models
- Main factors affecting to the remaining life.
  - Rubén Ruiz de Gordejuela. *CTO*. Nabla Wind Power
  - Ricard Builds. *Head of Wind turbine Loads Analysis*. DNV GL
  - Alfonso Faubel. *President of Europe and Chief Revenue Officer, Energy Sector*. Sentient Science

11h30

Coffee break

12h00

OEMs´ new business models: supply of components and guaranties

Chairman: Tomás Romagosa. *Technical Director*. AEE

- Implications of the extended life: contractual arrangements
- Supplies of big and small components
- New operational methods, derating, alignment...
  - Christian Jourdain. *Head of Services Marketing and Communications.* Siemens Gamesa Renewable Energy
  - Francisco Javier Docampo. *Special Projects, CIM & SCADA Team Leader*. Vestas

12h45

Maintenance focused on life extension: critical elements and solutions

Chairman: José Manuel Marco. *Head of Department, Renewables Advisory, Spain and Portugal*. DNV GL

- New methods of diagnosis and evaluation
- Advanced reparation methods
- Changes in the preventive and predictive maintenance services
  - The optimization of wind turbine functionalities for life extension, a case study. Enrique Camacho. *PdM and Life Extension Products Coordinator Services B.U*. Ingeteam
  - Ramón López. *Director*. Esteyco Energía
  - Ander Larrañaga. *Sales Area Manager*. NEM Solutions

13h45

Lunch break

Sponsored by: Vestas

15h15

Digitalization of wind farms and turbines applied to life extension

Chairman: Juan Virgilio Márquez. *Director General*. AEE

- Data collection and models´ development for wind farms operation
- Validation methods
- Feed back to the certification methods
  - Víctor Hernández. *EMEA Service Sales Leader Onshore Wind*. GE Renewable Energy
  - Jordi Cusidó. *CEO*. Smartive
  - Diego Galar. *Head of Maintenance & Reliability*. Tecnalia

16h15

Coffee break

16h30

Supervision and diagnosis procedures

Chairman: Carlos Gironés. *R+D Director*. Ingeteam Wind Energy

- Useful life in the 61400-1, limitations and improvements
- Who does request in depth diagnosis?
- What kind of guarantees can be provided?
  - Jose Javier Ripa. *Regional Manager South of Europe and LATAM*. UL Dewi
  - Daniel Arranz. *Director of Certification of Electric and Electronic products*. SGS Group Spain
  - Iñaki Camino. *Sales Manager*. 4Fores

17h30

Recycling of components to extend the lifespan of wind turbines in operation

Chairwoman: Elena Velázquez. *Project Engineer*. AEE

- Reuse of components of the dismantled turbines
- New or second hand components?
  - Generadores. Xavier Singla. *Technical Services Solutions Manager*. ABB
  - Blades. Carlos Bermúdez de Castro. *Director General*. GDES Wind
  - Gear boxes. Raúl Vallejo. *Managing director*. Wind Power Inside

18h30

Closing session

Juan Virgilio Márquez. *Director General*. AEE

Spanish – Danish Companies Summit on Life Extension*

20th of September

08h00 **Welcome and coffee**

09h00 **Opening session**

- Dorota Knudsen. *Export consultant*. DWEA
- Juan Virgilio Márquez. *Director General*. AEE
- Lasse Bagge Hansen. *Senior Commercial Advisor*. Danish Embassy in Madrid

- Introduction to the Danish truck record and experience within service and retrofit. Kim N. Jacobsen. *Senior Project Manager*. Danish Wind Industry Association
- The Spanish experience within optimization of existing wind farms. Alberto Ceña. *Technical Services Coordinator*. AEE

09h40 **Workshops (To be celebrated at the same time)**

Blades

Chairman: Alberto Ceña. *Technical Services Coordinator*. AEE

- Structural repair & retrofit technologies for blades. Damage prevention or repair. Gregers Larnaes. *Business Development*. Bladena
- How to mitigate risks and limit down time by improving lightning protection of new and existing wind turbines. Kim Bertelsen. *Principal Engineer*, *Founder*. Global Lightning Protection Services
- Blade access – taken to another level. Jan Koff Petersen. *CEO*. PP Techniq
- Life extension and performance optimization through improving leading edge protection, lightning protection and aerodynamic upgrades. Kenneth Iversen, *Business Developmet Director*. PolyTech
- Post-warranty nonOEM. Carlo Durante. *CEO*. EtA Blades/EREDA

Data, Measurements & Monitoring

Chairman: Carlos Bernabéu. CEO. Arborea Intellbird

- How to make wind energy more profitable and reliable using TCM® (Turbine Condition Monitoring). Axel Juhl. *CEO*. Gram & Juhl
- Bringing condition monitoring to the next level; successful expertise gained from detecting thousands of wind turbine faults. Ivaylo Dragiev. *Diagnostic Engineer Remote Monitoring Group*. Brüel & Kjær
- Retrofit with FT sensors at El Toranzo Wind Farm. David Ponsá. *Account Director Southern Europe*. FT Technologies
- OEM independent SCADA solution for multibrand/-tech purpose. Christian Daather. *Sales Director*. SCADA International
- Boost wind farm profitability with smart automated operations. Alejandro Cabrera. *CEO*. GREENEAGLE

10h45 **Coffee break**

11h15 **Workshops (To be celebrated at the same time)**

Control and Power

Chairman: Carlo Romano. *Technical Account Specialist MED & LATAM*. Vestas

- The control system is essential. Benny Thomsen. *COO*. Spica Technology
- Turbine upgrades, retrofit of control and pitch systems. Frank Svarre. *Bussines and Sales Director*. DEIF Wind Power Technology
- Extended lifetime and boost performance on existing Assets. Kristian Kjærholm. *Business Development Director*. Mita Teknik
- Retrofit of local systems. Carlos Cobos. *Energy Director*. ISOTROL

Hydraulics and Cooling

Chairman: Julio César Álvarez. *Renewable Energies Sector Manager*. Bosch Rexroth

- Optimizing power output by improved pitch hydraulics solutions. Thomas Engmose. *Technical Sales Manager*. Fritz Schur Energy
- High reliability, upgrade, pitch cylinders, tomorrows pitch system. Morten Bundgaard. *Head of Operations- Service Wind / Europe*. Hydratech Industries Wind Power
- Up-tower repair of hydraulic pitch cylinders. Lars T. Møller. *Sales Manager DK & Export*. LJM Hydraulic
- The importance of lubrication in WTGs: methods & systems. Eduardo Vicente. *Key Account manager*. Grupo RIVI

12h15 **Networking lunch**

13h15 **Workshops (To be celebrated at the same time)**

Service & Logistics

Chairman: Tomás Romagosa. *Technical Director*. AEE

- Exchange of major components without mobile crane. Iñaki G. Lahera. *Director Liftra SL*. Liftra
- How can an individual service provider assist Spanish wind turbine owners and operators? Rune Høy. *Key Account Manager*. Connected Wind Services
- Up-tower machining. Thomas Petersen. *Technical Manager*. MAN PrimeServ On-site Recovery
- How can wind turbine operators optimize their processes with multifunctional equipment? Henrik T. Kromann. Eltronic Wind Solutions.
- Procedures to carry out diagnosis and evaluation of the WTGs for the safe operation of wind farms. Iñigo Vázquez. *Managing Director*. REVERGY

Light solutions

Chairman: Miguel Hoyos. *Technical Director*. Norvento

- Optimization of indoor lighting systems and their functionalities from the O&M and Life extension perspective. Carlos Martín. *Head of Marketing and Business Development*. IED Greenpower
- How retrofit of obstruction light solutions, brings advantages such as lower service- and maintenance costs. Jesper Engesgaard. *Managing Director*. Dialight

14h15 **Conclusions**

14h45 **Coffee and B2B Meetings on demand**

*All presentations will be in English. There will not be simultaneous interpretation available.

Coorganised by:

aee Asociación Empresarial Eólica

DWEA Danish Wind Export Association
Owned by Danish Export Association and Danish Wind Industry Association

With the support of:

EMBAJADA REAL DE DINAMARCA EN MADRID

With the collaboration of:

EOI Escuela de organización industrial

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Fecha

19 de septiembre de 2017

Lugar

Novotel Madrid Centre
O´donnell 53, Madrid

Spanish – Danish Companies Summit of Life Extension

Fecha

20 de septiembre de 2017

Lugar

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