

Europacable 2017 General Assembly

Energy Team

Challenges for the T&D industry in Europe

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President
T&D Europe



T&D EUROPE

***The European Association for Transmission and
Distribution Equipment and Services Industry***

**Europacable General Assembly
17 May 2017
Brussels**

Version 2



OUTLINE

- About T&D Europe: the association of the electricity transmission and distribution equipment and services industry.
- The EU Policy Programme, including the Energy Union Strategy
- T&D Europe main activities to influence the shaping of the Energy Union
- Roadmap 2017

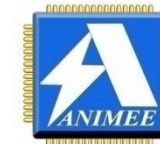
ABOUT T&D EUROPE: THE ASSOCIATION

- T&D EUROPE is the European association of the electricity transmission and distribution equipment and services industry.
- Our scope includes the complete range of products and services necessary to transport and distribute electricity in high and medium voltage, between the producers and the end users.
- T&D Europe members provide the full range of **grid technologies, including advanced, smart systems suitable for interaction with renewable energies and ICT**
- The companies represented by T&D Europe account for a production worth over €25 billion, and employ over 200,000 people in Europe.

ABOUT T&D EUROPE : THE MEMBERS

Members are European national associations

New member in November 2016 with
the Federation of Norwegian industry



ABOUT T&D EUROPE : THE MEMBERS

Since 2016, T&D Europe membership is open to T&D sector companies



SIEMENS

T&D
europe

BESTGRID Google Traduction T&D 01

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T&D europe

Enabling the transition
towards smarter grids

MADE WITH INVISION

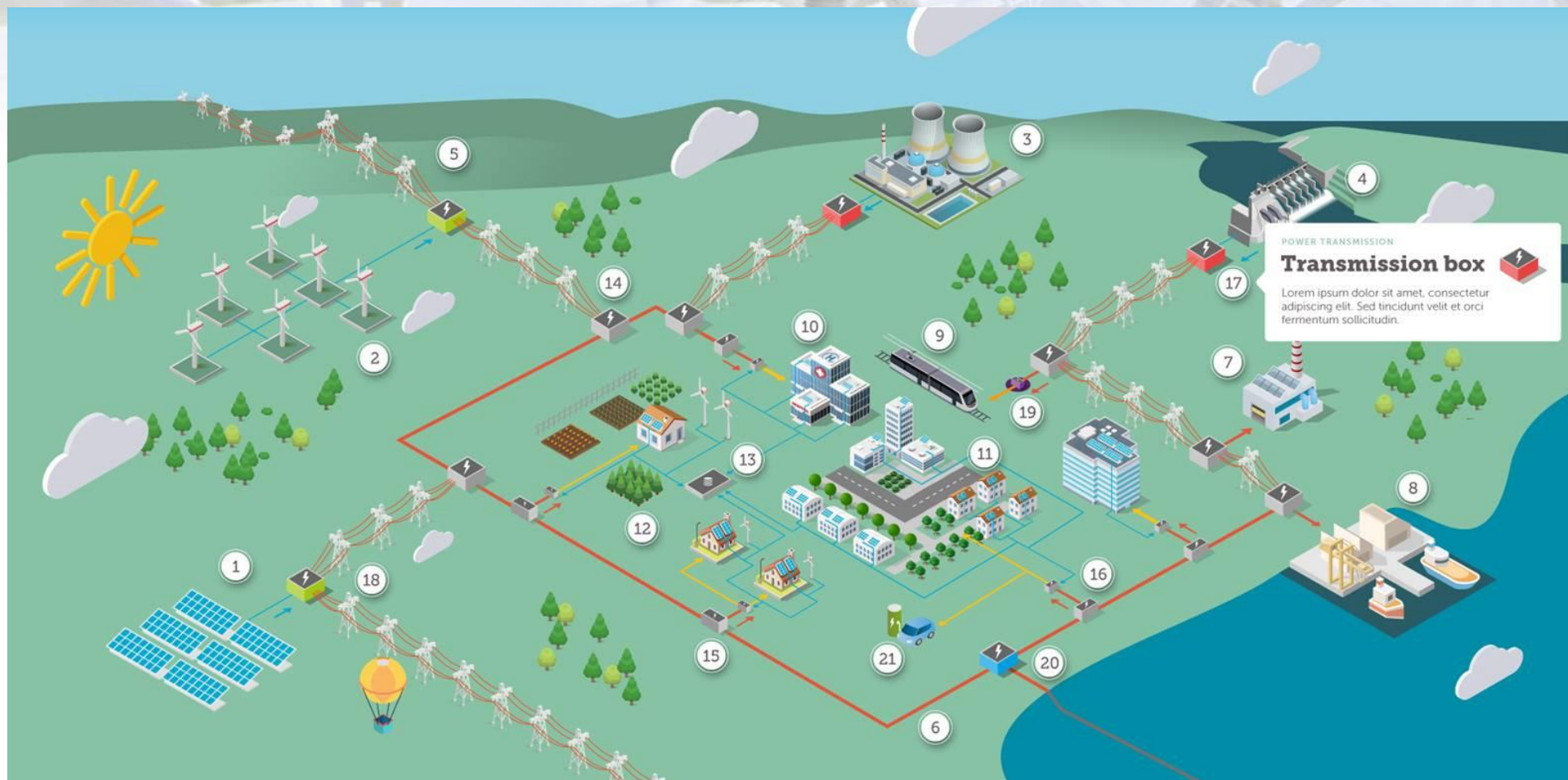
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T&D europe

The European Association of the Electricity Transmission
and Distribution Equipment and Services Industry



T&D EUROPE VISION

- We are the voice of the globally active European T&D industry
- We give home to the various T&D manufacturers across Europe
- We group a vast experience and knowledge from all around the world
- We aim to improve Europe's global competitiveness, growth and jobs
- We drive the successful digitisation and smartification of energy networks
- We are a respected partner of the EU Institutions
- We work trustfully with our stakeholders
- We create and manage platforms on which solutions can be found on all energy-related questions of the future
- We are a compliant organisation with clear rules that are respected by all members
- We have a dedicated team working for the interests of the T&D community



T&D EUROPE: PARTNER OF THE EU ENERGY UNION STRATEGY

- New T&D Europe Strategy and Structure put in place in March 2015 to better match the five «pillars» of the EU Energy Union Strategy
 - i. energy security, solidarity and trust
 - ii. a fully integrated energy internal market (interconnections; market design)
 - iii. energy efficiency;
 - iv. decarbonisation of the economy, and
 - v. research, innovation and competitiveness.
- Four «Strategy Areas», each managed by one of the T&D Europe Vice Presidents (see next slide)



GENERAL ASSEMBLY

**4 VICE-
PRESIDENTS**



PRESIDENT
Gerhard
Seyrling

**EXECUTIVE
COMMITTEE**

SECRETARY GENERAL
Nadi Assaf



ENERGY POLICY
VP Jochen Kreusel

WG
Energy Policy

TF
Harbours

**Large
Power Systems -
Supergrids**

Smart Cities



INNOVATION
VP Yann Fromont

WG
Smart Grids and MicroGrids
TF Cybersecurity
TF Grid Codes

WG Gas for Switchgear

WG Standardisation/
Technical legislation

WG
Transformers
Sub Technical WG Transformers
TF Large Power Transformers

TF REACH

TF Environmental Footprint



INDUSTRIAL POLICY
VP Andreas Luxa

WG
**Industrial
Policy**

WG
**Macroeconomic
Indicators**



COMMUNICATION
VP Guillermo Amann

WG
Communication

WG
Advocacy

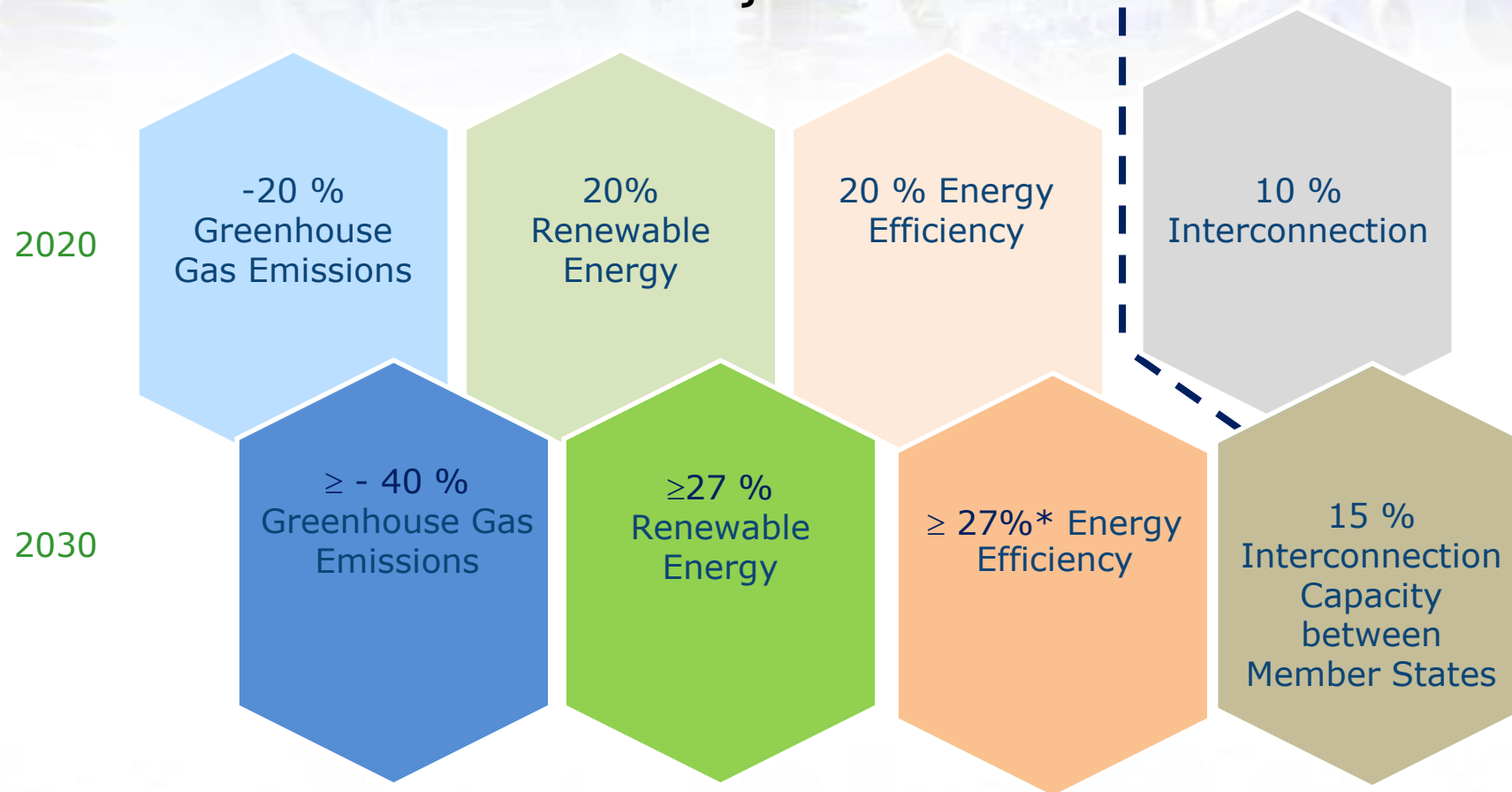
JUNCKER COMMISSION'S 10 STRATEGIC PRIORITIES: FOUR OF MAIN RELEVANCE FOR T&D EUROPE

1. A new boost for jobs, growth and investments
 - Investment Plan (€ 315 billion to be increased)
2. A connected digital single market
 - Includes cybersecurity
3. A resilient energy union with a forward looking climate change policy
 - See next slides
4. A deeper and fairer internal market with a strengthened industrial base
 - Internal Market Strategy for goods and services, including standards + capital markets union
5. A deeper and fairer economic and monetary union
 - Cooperation on tax matters, including company tax
6. A reasonable and balanced free trade agreement with the USA
 - Conclusion of the TTIP
7. An area of justice and fundamental rights based on mutual trust
8. Towards a new policy on migration
9. A stronger global actor
10. A Union of democratic change

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EU ENERGY UNION STRATEGY

Four objectives



* The Commission's Clean Energy package proposes 30%

Source: European Commission DG ENER

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CLEAN ENERGY FOR ALL EUROPEANS

T&D EUROPE'S GENERAL POSITION

- We welcome the European Commission's market oriented approach.
- We acknowledge the ambitious schedule and are confirming the necessity to be fast in order to keep track of the rapid technological developments in particular in the area of the new renewable energies.
- As technology is a key enabler for the energy transition, T&D Europe members are expressing their full commitment to make the transition a success.

WG ENERGY POLICY: CLEAN ENERGY PACKAGE

T&D EUROPE'S COMMENTS

- **Regulatory incentives can drive the deployment of efficient and smarter grids**
 - DSOs and TSOs need the right regulatory incentives.
 - Data on grid “smartness” should be collected.
- **Technical regulation requires extensive stakeholder involvement**
 - A new DSO body is a logical step therefore.
 - But eventually all stakeholders should be more involved in the network codes A development process (including technology providers).
- **Free flow of energy and data is needed to manage a decentralised power system**
 - Higher transparency on congestion rent is needed.
 - Digitalisation requires a single data format.

CLEAN ENERGY FOR ALL EUROPEANS LEGISLATIVE PACKAGE

- Four legislative areas
 - **Energy efficiency:** target 30% savings by 2030
 - Revision of Energy Efficiency Directive
 - Revision of Energy Performance of Buildings Directive
 - Eco-design «packet»
 - **Renewable energy:** target 27% of energy mix from renewables by 2030
 - Revision of renewable energy Directive
 - **Electricity market design**
 - Revision of electricity Directive and electricity Regulation
 - Revision of Regulation on European Agency for the Cooperation of energy Regulators (ACER)
 - New Regulation on risk-preparedness of the electricity sector
 - **Governance rules**
 - New Regulation on the Governance of the Energy Union
- + Innovation and R&D Dimensions: «Accelerating Clean Energy innovation» and SET Plan Progress Report

CLEAN ENERGY FOR ALL EUROPEANS LEGISLATIVE PACKAGE -T&D ACTIONS

- Analysis of impact of the proposals on T&D sector
- Position paper on the Clean Energy package
- Monitoring of the discussions in the European Parliament & European Council
- **Energy Efficiency Directive:**
 - Factsheet on energy savings potential in transmission & distribution of electricity for Members of the European Parliament
 - Meeting with Socialist Group energy adviser (Rapporteur in Socialist group)
 - Meeting with shadow rapporteur in ECR Group
 - Will seek meeting with members states representations
- **Electricity market design**
 - T&D supports a model that encourages market-based instruments encouraging innovation in the electricity network
- **Governance of the energy union**
 - Plan to propose amendments to rapporteur supporting the inclusion of energy savings in electricity transmission and distribution in the new governance reporting system.

T&D EUROPE POLICY PRIORITIES AND ACHIEVEMENTS

Competitiveness of the European T&D industry

- EU Internal Market:
 - Promotion of free circulation of T&D equipment without need for CE marking
 - Support to Orgalime on keeping European standardisation in industry hands (INGRESS)
- EU environment and climate change policy
 - Strong promotion of T&D industry views during the revision of the f-gas regulation
 - Careful monitoring of REACH implementation and participation in industry consortia to avoid ban of strategic substances
- International market access and inclusion in global value chains
 - EU GOES antidumping measures: promotion of free access to quality steel in adequate quantities from any place in the world
 - Fight against dumping from overseas

Guidance documents

Many position
papers


Position papers

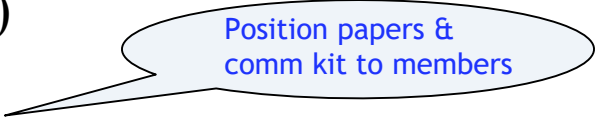
Participation in hearings

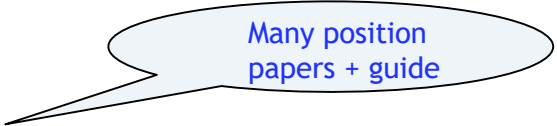
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& europe

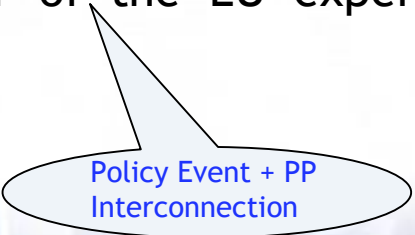
T&D EUROPE POLICY PRIORITIES AND ACHIEVEMENTS

Development of new markets

- Digitisation of European electricity networks (deployment of Smart Grid, notably via standardisation and Projects of Common Interest)

Policy Event + PP
Cybersecurity
- Deployment of Shore-Side Electricity technologies (notably via promoting by the EU Member States a proper implementation of the EU Directive on Alternative Fuel Infrastructures)

Position papers &
comm kit to members
- Support to Eco-design regulation on transformers, implementation and future review (T&D Europe among main stakeholders consulted by the EU Commission)

Many position
papers + guide
- 15% interconnection capacity target (T&D Europe member of the EU expert Group)

Policy Event + PP
Interconnection

T&D EUROPE POLICY PRIORITIES AND ACHIEVEMENTS

Innovation/EU R&D Policy

- Participation in body in charge of preparing the EU R&D strategy for energy. Participation in ETIP SNET governing board and in 3 Working groups (8 T&D Europe members involved in WG)
- Participation in eHighway2050 project on long term perspectives of the electricity network deployment
- Participation in Horizon 2020 project PROMOTION on off shore wind deployment

T&D EUROPE POLICY PRIORITIES AND ACHIEVEMENTS

Overall Participation in EU Energy Union Strategy

- Cooperation with ENTSO-E on the TYNDP (R. Charnah GE)
(Ten Year Network Development Plan + T&D Europe in Advisory Committee in summer 2017)
- Participation in Orgalime INFRA Task Force (G. Amann Ormazabal, A. Luxa Siemens, R. Coccioni Schneider Electric)
- Experts in:
 - Commission Expert Group on electricity interconnection targets (J. Kreusel ABB)
 - CEN CENELEC ETSI Smart Energy Grid Coordination Group (SEG-CG), responsible for coordinating the ESOs reply to M/490, ... (L. Guise Schneider Schneider Electric, R. Apel Siemens)
 - European Commission Smart Grids Task Force (J. Kreusel ABB)
- Speakers at EU events (sample 2016)
 - Intensive Energy Industries (G. Seyrling GE in Brussels)
 - Energy Infrastructure Forum (G. Seyrling GE in Copenhagen)
 - Workshop on Incentives for Innovation in Smart Grid EG3 (B. Hugoo Schneider)

ROADMAP 2017

High number of relevant issues on EU political agenda but limited resources!

-> need to establish priorities to promote innovative grid technology and achieve visibility in policy debate in 2017

1. Clean Energy Package

- Positioning and visibility in EP and Council
- Low carbon mobility: e-vehicle & microgrids

2. Digital agenda

- Energy data, data privacy, data format, data mgt, communication, cloud, big data, customer interaction, IT/OT integration
- Cybersecurity
- Demand Response

ROADMAP 2017

3. Circular economy

- SF6 gas
- Eco-design

4. Innovation

- Smart Grids: Research through ETIP SNET
- Standardisation
- Grid Codes: Harmonisation of implementation of by Member States
- Interconnections

T&D EUROPE - EUROPACABLE ENERGY POLICY EVENT 2017

Currently in development by both secretariats

Date : 21 November 2017 in Brussels



THE T&D EUROPE NETWORK

- Policy makers
 - European Commission (DG ENER, DG GROW, DG RTD, DG CLIMA, DG TRADE, DG CNECT)
 - European Parliament (ITRE, IMCO, ENVI Committees)
 - EU Council and member States via National Associations
- Regulators
 - ACER (EU Energy Regulators Agency)
 - CEER
- Electricity Stakeholders
 - EURELECTRIC, RENEWABLES
 - ENTSO-E
 - EDSO, GEODE, CEDEC
- Equipment manufacturers
 - (with which T&D Europe has a partnership)
 - Other electrical and electronic equipment associations (ESMIG, CAPIEL, Europacable, etc...)
- Standardisation bodies (cooperation agreements with Cenelec and ETSI)



T&D EUROPE SECRETARIAT

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