

A hand is shown reaching out from the bottom left towards a glowing digital globe on the right. The globe is composed of a wireframe mesh and is surrounded by a network of white dots connected by thin lines, representing a global network or smart infrastructure. The background is a dark blue gradient with a blurred city skyline at night.

Enel experience in Smart Meters

The Enel logo, consisting of the word "enel" in a lowercase, white, sans-serif font, is positioned in the bottom right corner of the image.

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Global Infrastructure and Networks



 **Colombia 2° DSO (22%)**

14 TWh distributed energy
3.3 mn end-users

 **Peru 2° DSO (20%)**

8 TWh distributed energy
1.4 mn end-users

 **Chile 2° DSO (33%)**

16 TWh distributed energy
1.9 mn end-users

 **Argentina 2° DSO (17%)**

18 TWh distributed energy
2.5 mn end-users

 **Brazil 1° DSO (21%)**

78 TWh distributed energy
17.1 mn end-users

 **Spain 2° DSO (42%)**

112 TWh distributed energy
12.1 mn end-users

 **Romania 2° DSO (36%)**

15 TWh distributed energy
2.8 mn end-users

 **Italy 1° DSO (85%)**

227 TWh distributed energy
31.5 mn end-users

Key figures

2018

Distributed Energy (TWh) **488**

End users (mn) **72.6**

ENEL Smart Metering

Smart Meter projects using ENEL technology

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Italy



- **35M installed** (including others Italian DSO)
- World-wide largest Smart Meter System
- **Started 32M roll-out** of Enel Open Meter (2016)

Iberia



- **12M roll-out** in e-distribución
- **700K installed** in VIESGO

Latam



- **On going pilot projects:** Chile, Colombia, Peru, Brazil, Argentina – **400K** Smart Meters

South-East Europe



- **Projects in Romania – 700K** in ENEL and E.ON
- **On going roll-out in former Yugoslavia – 330K** in CEDIS
- **300K installed** in ENEMALTA

Enel technology is used by 50M customers worldwide

Certifications



Enel Smart Meters have been certificated in a dozen of Countries



obtaining several certifications,

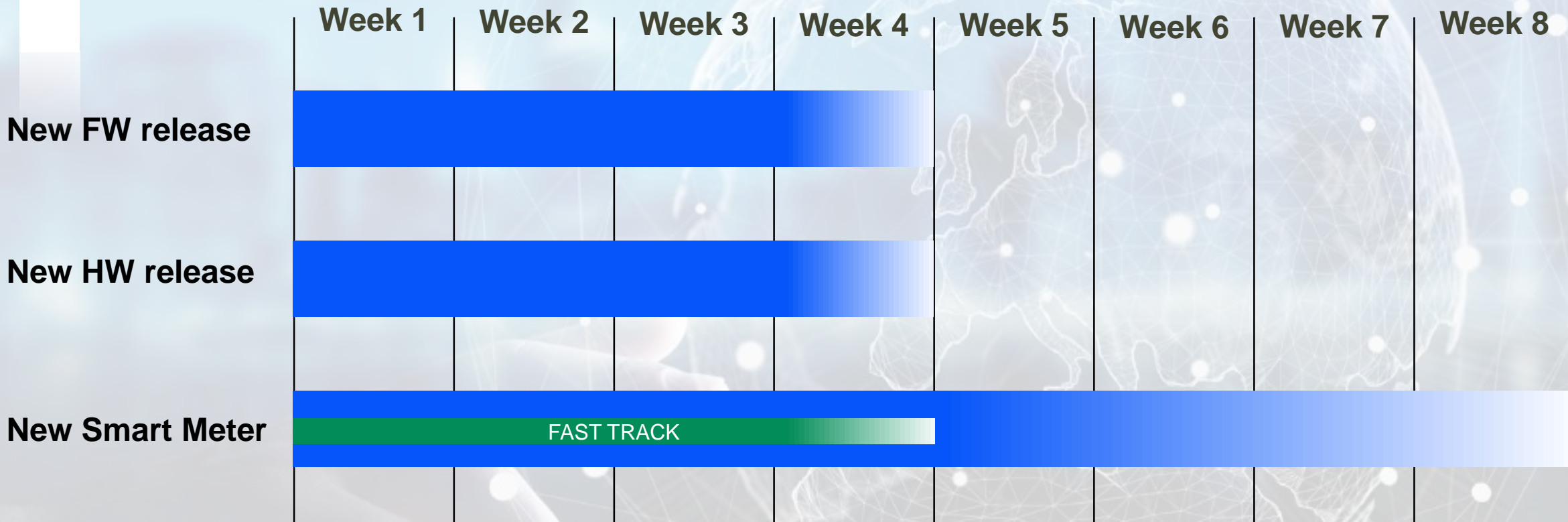
compiling with many international standards and few national ones

- MID 2014/32/EU (Europe)
- RD 244/2016 (Spain)
- BRML (Romania)
- IEC 62053-21 (International)
- EN 50470-1 (Europe)
- ORDEN ITC/3022/2007 (Spain)
- EAC (Russia)
- IEC 62052-11 (International)
- IEC 62053-23 (International)
- EN 50470-3 (Europe)

Most of the Countries recognize International Standards

Timing

Average timing for certification in Europe



Fast certification allows technological evolution

Technical drivers for fast roll-out

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Faster certification process

through laboratories fully accredited

Opening to the world market

leveraging on international standards

Thank you

