

# Prysmian Group Company Presentation

August 2017

PLATFORM TO ENHANCE CUSTOMER SERVICE LINKING THE FUTURE STRONGE LEADING TECHNOLOGY LEADING TECHNOLOGY WORLDWIDE LEADER IN RENEWABLE ENERGE EXTENDED PRODUCT OFFERING IN OGP AND IN





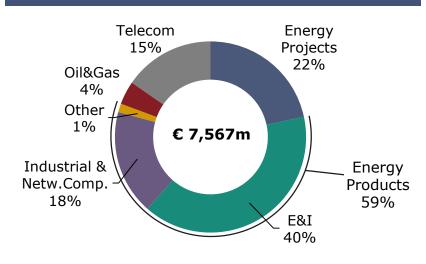
- > Group overview
- Results by business
- > Outlook

> Financial Results

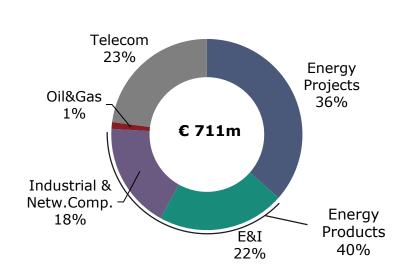
# Prysmian group at a glance

FY 2016 Financial Results

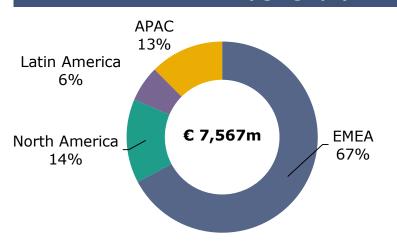




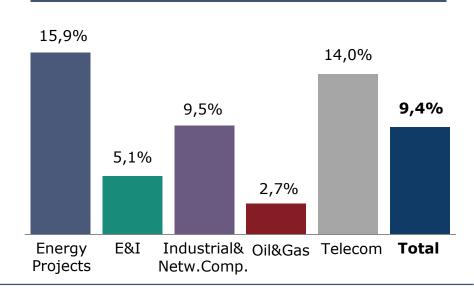
## Adj. EBITDA by business



## Sales breakdown by geography

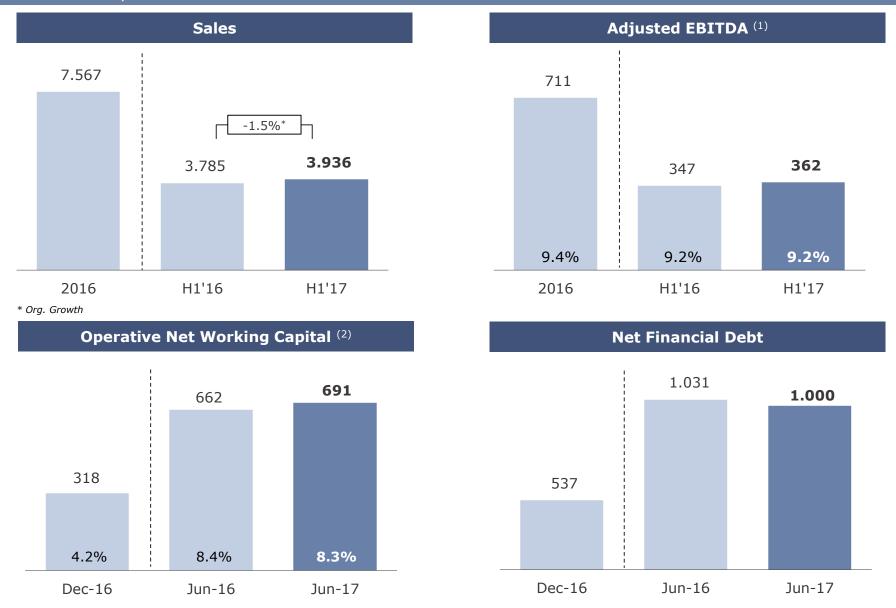


## Adj. EBITDA margin



# **H1 2017 Key Financials**

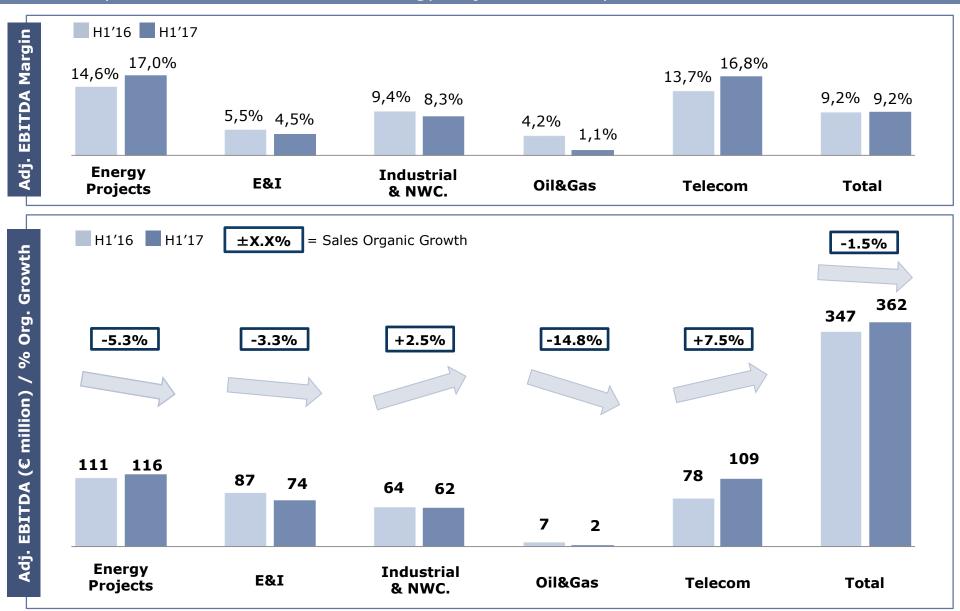
Euro Millions, % on Sales



(1) Adjusted excluding restructuring, non-operating income/expenses and non-recurring income/expenses; (2) Defined as NWC excluding derivatives; % on sales is defined as Operative NWC on annualized last quarter sales

# Moderate organic decline with improved profitability.

Positive performance in Telecom and Energy Projects offset by weakness in E&I and SURF.

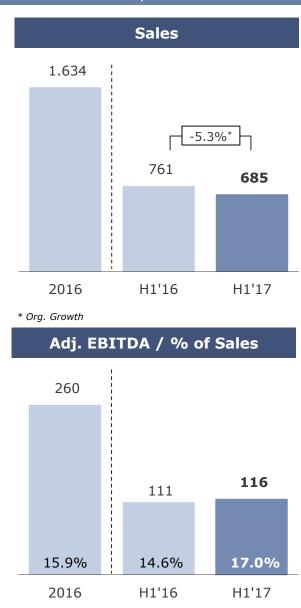


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# **Energy Projects**

Euro Millions, % on Sales



## Highlights

#### **Submarine**

- Improving organic trend recovering after a soft start in Q1.
- Adj.EBITDA margin improving also thanks to full utilization of the new installation assets (new vessel Ulisse, new jetting system).
- Solid market outlook, further supported by the reduction of the LRoE (Levelized Revenue of Electricity) in recent offshore wind farm awards in Germany.

## **Underground High Voltage**

- Sales declined organically driven by weak market demand in France,
   Middle East and the US. Strong performance in APAC supported by a solid order inflow.
- Adj.EBITDA negatively impacted by perimeter change (China) and soft performance in France, Netherlands and US.

Orders Backlog Evolution (€ m)						
	Dec '13	Dec '14	Dec '15	Jun '16	Dec '16	Jun'17*
Underground HV	~450	~450	~600	~500	~350	~400
Submarine	~2,050	~2,350	~2,600	~2,450	~2,050	~2,050
Group	~2,500	~2,800	~3,200	~2,950	~2,400	~2,450

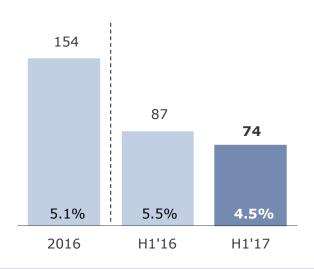
<sup>\*</sup> Excludes RTE offshore wind export cable worth approx.  $\ensuremath{\varepsilon}$  300m

## **Energy & Infrastructure**

Euro Millions, % on Sales



## Adj. EBITDA / % of Sales



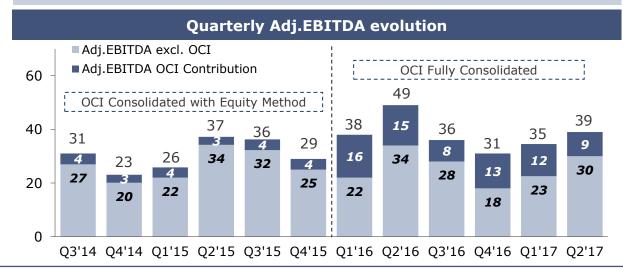
## Highlights

#### **Trade & Installers**

- Positive performance in the Nordics, Oceania and China was more than offset by weakness in Oman, Turkey and Argentina. The recent update in renewable energy regulation in US negatively affected volumes.
- CPR regulation became mandatory starting from July 1<sup>st</sup> 2017, with potential positive implications in selected markets expected to materialize in H2.

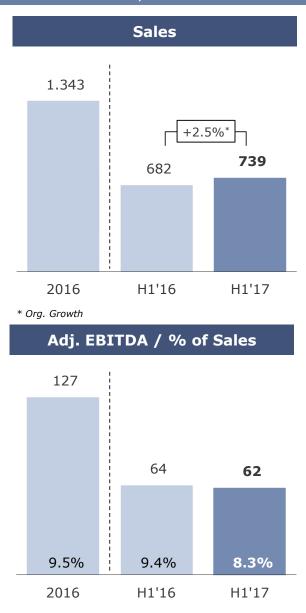
#### **Power Distribution**

- Market slowdown in Germany and Eastern Europe progressing in line with expectations. Positive performance in APAC, the Nordics and North America.
- Adj.EBITDA margin declined slightly due the tough market conditions in Central and Easter Europe and in Oman.



## **Industrial & Network Components**

Euro Millions, % on Sales



## Highlights

## **Specialties, OEMs & Renewables**

- Low single digit organic growth thanks to a solid performance in Railway and Infrastructure, ongoing recovery in Mining and Renewables. Crane, Defense and Marine slowing down after the peak of 2016.
- Solid trend in APAC and North America. Europe improving after a soft start of the year.
- Increasing order backlog creates a sustainable trend for the remaining part of the year.

#### **Elevator**

- Slight organic decrease due to projects delays in China. Positive volumes trend in Europe.
- Adj.EBITDA was negatively affected by the volume drop in China and the unfavourable product mix in North America.

## **Automotive**

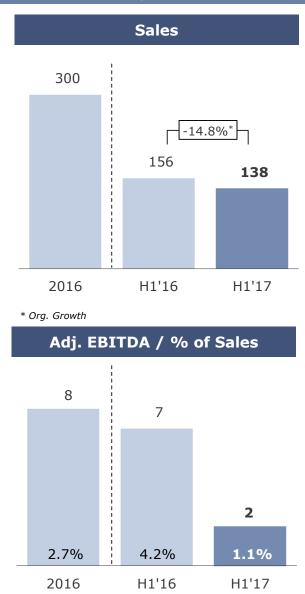
- Double digit organic increase with strong performance in APAC and North America. Europe broadly stable.
- Profitability improvement driven by volume growth in North America and APAC and by a leaner manufacturing set-up in Europe.

## **Network Components**

 Soft volumes and margin driven by the slowdown of HV accessories in Europe and China. Positive performance in MV and LV business in Europe and US.

# Oil & Gas

Euro Millions, % on Sales



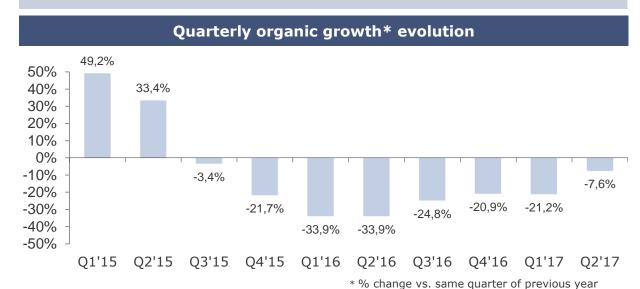
## **Highlights**

#### **SURF**

- <u>Umbilical</u>: weak performance driven by 2016 low projects awards in Brazil. Market environment remains highly competitive.
- <u>DHT</u>: Volume recovery in onshore segment (US Shale) partially offset by weak demand from international markets. Profitability negatively affected by unfavorable product mix (on shore vs. offshore).

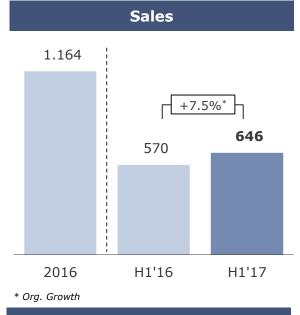
#### Core Cable Oil & Gas

- Sales improved organically thanks to onshore projects in Middle East,
   Russia and North America. Offshore remains at very low level.
- Volume recovery and efficiency sustaining profitability while price remain challenging due to overcapacity.



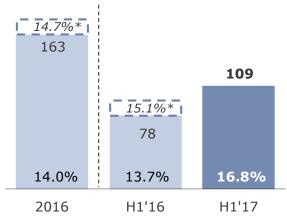
## **Telecom**

## Euro Millions, % on Sales



## Adj. EBITDA / % of Sales

\* Adj. EBITDA margin excl. €8mln bad debt provision in Brazil



## **Highlights**

#### **Telecom Solutions**

- Double-digit organic growth in optical cables segment confirmed in Q2.
- Solid market demand in Europe and US driven by FTTH/FTTC roll-out acceleration.
- Declining performance in the copper business due to the challenging comparison with H1 2016.
- €250m ongoing investment 3 year plan aimed at improving production capacity and efficiency worldwide.

## **MMS**

- Growing volumes and margin in Europe and APAC, also supported by the new manufacturing set-up in Europe.
- Positive market demand benefitting from growing investments in datacentres.

## Quarterly LTM Adj. EBITDA and % on LTM Sales evolution



\* Including € 8m bad debt provision in Brazil

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## FY 2017 Outlook



## 2017 Adj.EBITDA Target Assumptions (€ million)

## Mid-point target assumptions:

- Continued strong performance in Telecom business.
- Stable results in Energy Projects after adsorbing negative perimeter effect in Underground HV (China).
- Improving trend Industrial offset by soft E&I demand.
- Still difficult market in Oil&Gas (SURF).
- Moderately negative forex impact.

# Adj. EBITDA 2016 - 2017 Outlook Bridge (€ million) 710 - 750 711 FY 2016 Telecom Energy Projects\* Energy Projects\* FY 2016 Telecom Energy Projects\* FY 2016 Telecom Energy Projects\* FY 2016 Telecom Energy Projects\* FY 2017 Outlook

\* Including perimeter change in China.

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# **Profit and Loss Statement**

Euro Millions

	H1 2017	H1 2016
Sales YoY total growth YoY organic growth	<b>3.936</b> 4,0% (1,5%)	3.785
Adj.EBITDA % on sales	<b>362</b> 9,2%	<b>347</b> 9,2%
Adjustments	(31)	(25)
<b>EBITDA</b> % on sales	<b>331</b> 8,4%	<b>322</b> 8,5%
Adj.EBIT % on sales	<b>274</b> 7,0%	<b>261</b> 6,9%
Adjustments Special items	(31) (36)	(25) (19)
<b>EBIT</b> % on sales	<b>207</b> 5,3%	<b>217</b> 5,8%
Financial charges	(49)	(37)
<b>EBT</b> % on sales	<b>158</b> 4,0%	<b>180</b> 4,8%
Taxes % on EBT	(45) (28,5%)	(56) (31,1%)
Net Income % on sales	<b>113</b> 2,9%	<b>124</b> 3,3%
Minorities		9
<b>Group Net Income</b> % on sales	<b>113</b> 2,9%	<b>115</b> 3,0%

# **Adjustments and Special Items on EBIT Euro Millions**

	H1 2017	H1 2016
Non-recurring Items (Antitrust Investigation) Restructuring	(15) (9)	- (11)
Other Non-operating Income / (Expenses)	(7)	(14)
EBITDA adjustments	(31)	(25)
Special items	(36)	(19)
Gain/(loss) on metal derivatives Assets impairment	(11) -	20 (15)
Other	(25)	(24)
EBIT adjustments	(67)	(44)

# Financial Charges Euro Millions

	H1 2017	H1 2016
Net interest expenses	(34)	(28)
of which non-cash conv.bond interest exp.	(8)	(4)
Bank fees amortization	(2)	(2)
Gain/(loss) on exchange rates	2	7
Gain/(loss) on derivatives 1)	(12)	(12)
Non recurring effects	(1)	(1)
Other non-operating financial expenses	(2)	-
Other	-	(1)
Net financial charges	(49)	(37)

<sup>1)</sup> Includes currency and interest rate derivatives

# **Statement of financial position (Balance Sheet) Euro Millions**

	30 Jun 2017	30 Jun 2016	31 Dec 2016
Net fixed assets	2.599	2.565	2.630
of which: goodwill	441	444	448
of which: intangible assets	318	347	344
of which: property, plants & equipment	1.625	1.563	1.631
Net working capital	700	646	325
of which: derivatives assets/(liabilities)	9	(16)	7
of which: Operative Net working capital	691	662	318
Provisions & deferred taxes	(357)	(299)	(360)
Net Capital Employed	2.942	2.912	2.595
Employee provisions	371	393	383
Shareholders' equity	1.571	1.488	1.675
of which: attributable to minority interest	199	223	227
Net financial debt	1.000	1.031	537
Total Financing and Equity	2.942	2.912	2.595

# **Cash Flow** Euro Millions

Adj.EBITDA

Adjustments	(31)	(25)	(72)
EBITDA	331	322	654
Net Change in provisions & others	4	(14)	18
Share of income from investments in op.activities	(19)	(14)	(36)
Cash Flow from operations (bef. WC changes)	316	294	636
Working Capital changes	(432)	(291)	(74)
Dividends received	3	2	11
Paid Income Taxes	(36)	(38)	(74)
Cash flow from operations	(149)	(33)	499
Acquisitions & Disposals	-	-	31
Net Operative CAPEX	(111)	(101)	(237)
of which acquisitions of assets of ShenHuan	(35)	-	(46)
Free Cash Flow (unlevered)	(260)	(134)	293
Financial charges	(45)	(42)	(71)
Free Cash Flow (levered)	(305)	(176)	222
Free Cash Flow (levered) excl. Acquisitions & Disposals*	(270)	(176)	237
Dividends	(101)	(101)	(102)
Treasury shares buy-back & other equity movements	(99)	- <i>,</i>	(99)
Net Cash Flow	(505)	(277)	21

H1 2017

362

(537)

(505)

48

(6)

(1.000)

Net cash flow

Other variations

Net financial debt beginning of the period

\* Calculated as FCF (levered) excluding "acquisitions of assets of ShenHuan" and "Acquisitions & Disposals".

Equity component of convertible bond

Net financial debt end of the period

(750)

(277)

(4)

(1.031)

H1 2016

347

(1.031)

21

48

(38)

(1.000)

12 Months (from

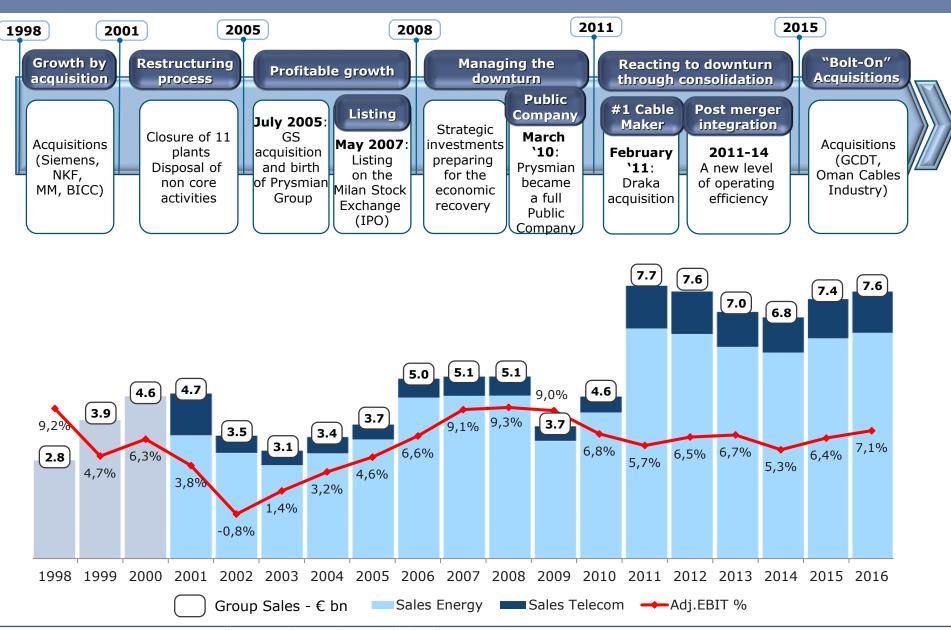
1/7/2016 to 30/6/2017)

**726** 

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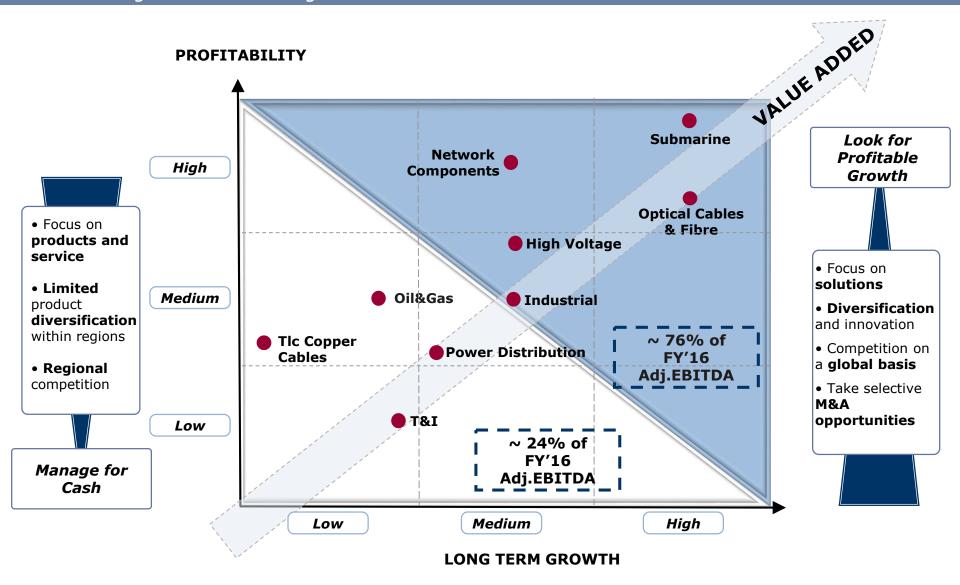
## **Key milestones**





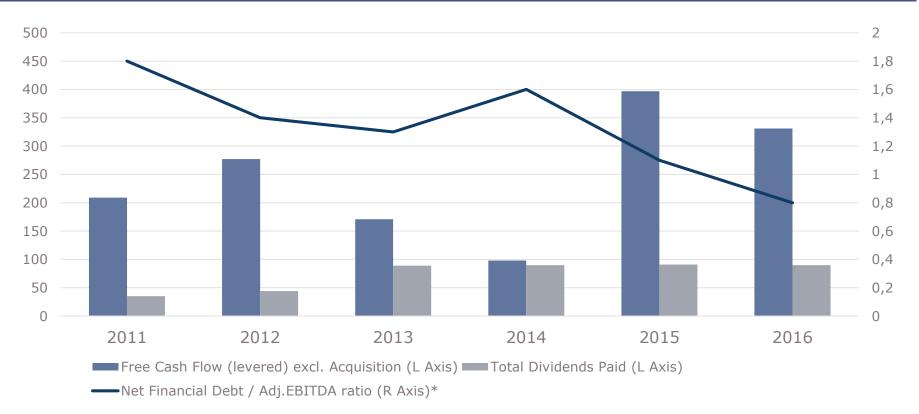
## **Prysmian Group business portfolio**

Focus on high value added segments



# Cash Flow generation as key priority to create value for shareholders Low leverage enabling multiple capital deployment opportunities.

## Historical free cash flow generation and Net Financial Debt/Adj.EBITDA ratio (year-end)



\*2015 Net Financial Debt/adj.EBITDA ratio calculated as Net Financial Debt reported at 31 Dec. 2015 divided by Pro-Forma FY2015 EBITDA including full OCI and GCDT contributions.

Approx. € 250m average Free Cash Flow per year in 2011-16

Approximately  $\leqslant$  440m cumulated dividend distributed in the 2011-2016 period.

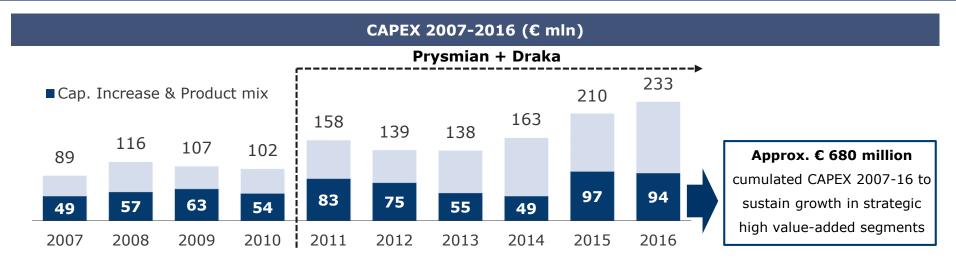
Cumulative capex of approx. € 1bn in 2011-2016

Deleveraging from 2,46x Net Debt/adj.EBITDA ratio (FY2010 pro-forma fully combined with Draka) to 0,8x at FY 2016

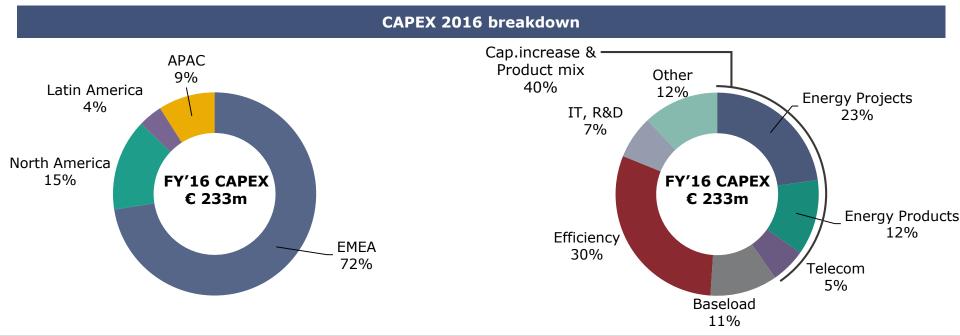


# Disciplined Capex to grow in high margin business and out of Europe

Investments focused on business with long term drivers and high entry barriers



2011 Combined; 2012-13 restated in application of IFRS 10-11 and reclassification of share of net income



# **Metal Price Impact on Profitability**

#### Supply **Metal Influence on Cable Price Main Application Metal Fluctuation Management** Contract **Impact Impact Technology and design Pricing locked-in** at order intake Projects (Energy content are the main Profitability protection through transmission) **Predetermined** elements of the "solution" systematic hedging (long order- Cables for delivery date to-delivery cycle) industrial offered Pricing little affected by applications (eq. OGP) metals Price adjusted through Pricing defined as **hollow**, Cables for energy formulas linked to metal publicly thus mechanical price utilities (e.g. available quotation (average last Frame adjustment through power distribution month, ...) contracts formulas linked to metal Profitability protection through cables) publicly available quotation systematic hedging (short order-to-delivery cycle) Pricing managed through price lists, thus leading to some delay Standard products, high Cables for • Competitive pressure may construction and copper content, limited Spot orders impact on delay of price civil engineering value added adjustment Hedging based on forecasted volumes rather than orders High Low Metal price fluctuations are normally passed through to customers under supply contracts Hedging strategy is performed in order to systematically minimize profitability risks

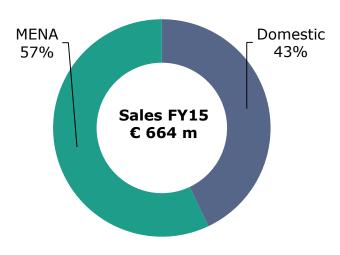
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## Focus on Oman Cables Industry Acquisition

A perfect example of "Bolt-on" acquisition.

## 2015 Sales Breakdown (€ million (1))



(1) 2015 average EUROMR spot FX rate 0.4268

## **Strategic Position**



## Structure of the Deal

#### STRUCTURE OF THE DEAL

- Acquisition of approx. 16% stake in listed company OCI
- Total cash consideration € 105 million
- OCI Balance Sheet consolidated at 31 Dec 2015;
   P&L consolidated as of 1<sup>st</sup> Jan 2016.

#### STRATEGIC RATIONALE

- Geographic diversification toward middle-east region.
- No import duties in GCC market.
- · Low integration risk. Solid track record.

## **Product Range**



- Building Wire and Cable
- LV and MV power cables (up to 33kV)
- Control cables for industrial applications



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% on sales  Adjustments Special items	7,0% (31) (36)	6,9% (25) (19)
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Net Income % on sales Minorities	2,9%	<b>124</b> 3,3% 9
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<sup>\*</sup> Restated figures

# **Energy Projects Segment – Profit and Loss Statement Euro Millions**

	H1 2017	H1 2016
Sales to Third Parties	685	761
YoY total growth	(10,0%)	
YoY organic growth	(5,3%)	
Adj. EBITDA	116	111
% on sales	17,0%	14,6%
Adj. EBIT	96	94
% on sales	14,0%	12,4%

# **Energy Products Segment – Profit and Loss Statement Euro Millions**

Factor   F			H1 2017	H1 2016
YoY organic growth   (3,3%)		E&I	1.658	1.567
YoY total growth   7,4%   (1,5%)	10	YoY total growth	5,8%	
YoY total growth   7,4%   (1,5%)	<u>ië</u>	YoY organic growth	(3,3%)	
YoY total growth   7,4%   (1,5%)	art	Industrial & Netw. Comp.	739	682
YoY total growth   7,4%   (1,5%)	<u>Б</u>	YoY total growth	8,5%	
YoY total growth   7,4%   (1,5%)	irc	YoY organic growth	2,5%	
YoY total growth   7,4%   (1,5%)	È	Other	70	49
YoY total growth   7,4%   (1,5%)	t	YoY total growth	41,9%	
YoY total growth   7,4%   (1,5%)	es	YoY organic growth	(0,1%)	
YoY total growth   7,4%   (1,5%)	Sal	ENERGY PRODUCTS	2.467	2.298
F&I	0,	YoY total growth	7,4%	
Your sales		YoY organic growth	(1,5%)	
Tindustrial & Netw. Comp.   62   64   9,4%		E&I	74	87
## 153	_			·
## 153	7	Industrial & Netw. Comp.		_
## 153	31	% on sales	· ·	9,4%
## 153	岀	Other	(1)	-
## 153	dj.	% on sales	(1,1%)	
E&I	Ă	ENERGY PRODUCTS	135	151
% on sales   2,8%   3,5%     Industrial & Netw. Comp.   51   54     % on sales   6,9%   8,0%     Other   (1)   -     % on sales   (1,7%)     ENERGY PRODUCTS   96   110		% on sales	5,5%	6,6%
Industrial & Netw. Comp.   51   54		-   E&I	46	56
% on sales       6,9%       8,0%         Other       (1)       -         % on sales       (1,7%)         ENERGY PRODUCTS       96       110		% on sales	2,8%	3,5%
ENERGY PRODUCTS 96 110	<b>—</b>	Industrial & Netw. Comp.	51	54
ENERGY PRODUCTS 96 110	BI	% on sales	6,9%	8,0%
ENERGY PRODUCTS 96 110	. <u>с</u>	Other	(1)	_
ENERGY PRODUCTS 96 110	Adj.	% on sales	(1,7%)	
% on sales 3,9% 4,8%		ENERGY PRODUCTS	96	110
		% on sales	3,9%	4,8%

# Oil&Gas Segment - Profit and Loss Statement Euro Millions

	H1 2017	H1 2016
Sales to Third Parties  YoY total growth  YoY organic growth	<b>138</b> (11,7%) (14,8%)	156
Adj. EBITDA	<b>2</b>	<b>7</b>
% on sales	1,1%	4,2%
Adj. EBIT	<b>(7)</b>	<b>(1)</b>
% on sales	(5,1%)	(0,8%)

# **Telecom Segment – Profit and Loss Statement Euro Millions**

	H1 2017	H1 2016
Sales to Third Parties	646	570
YoY total growth	13,4%	
YoY organic growth	7,5%	
Adj. EBITDA	109	78
% on sales	16,8%	13,7%
Adj. EBIT	89	58
% on sales	13,7%	10,3%

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## **Investing in submarine to increase ROCE**

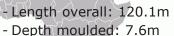
Strengthening production and installation capabilities











- Gross tonnage: 10.157 t



- Length overall: 133.2m- Depth moulded: 7.6m- Gross tonnage: 10,617 t

## Main projects in execution/orders backlog:

- Western Link
- BorWin 3 / DolWin 3
- Messina II
- Mon.Ita.
- Hainan 2
- Shannon River

- West of Adlergrund
- Cyclades
- Philippines
- Wikinger
- COBRA cable
- France offshore wind



- Length overall: 124m

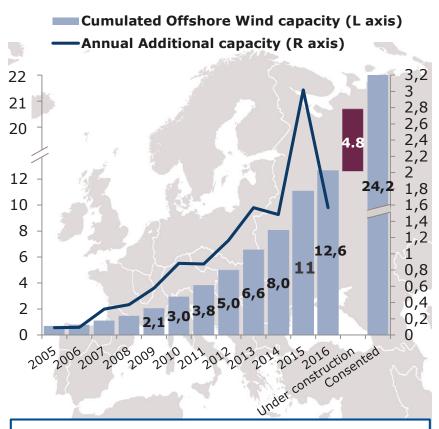
- Depth moulded: 6.8m

- Gross tonnage: 8,328 t

## Off-shore wind development in Europe

High visibility on new projects to be awarded next quarters

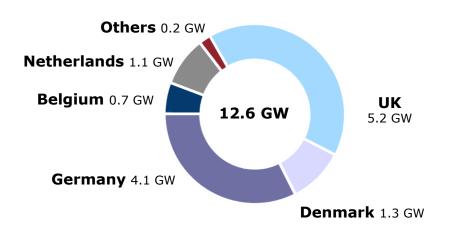
## **Europe Offshore Wind capacity (GW)**



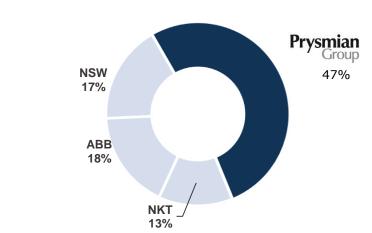
- Capacity Increase: 1.6 GW in 2016 (-18% vs. 2015)
- **Total capacity: 12.6 GW** at end 2016 (+14% vs. 2015)
- Under construction: 4.8 GW at end 2016
- Consented: 24.6 GW

Source: EWEA (January 2017)

## **Europe 2016 Cumulated Capacity by Country**



## Mkt share of export cable suppliers in 2016 \*



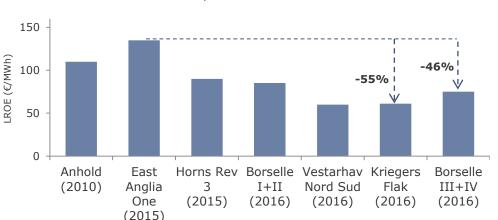
\* Calculated on no. of cables fully or partially completed, percentage. EWEA (January 2017)

## **Offshore Wind Market Prospective.**

Cost reduction driven by technological innovation and projects scale.



\* LROE: Levelised Revenue Of Electricity



### **Key Highlights**

- LROE reduced by half in the last 2 years.
- Larger projects scale and increasing turbine dimension fueled LROE reduction over the past few years.
- Technological innovation like 66kV Inter-array system should contribute to further cost reduction.
- Grid parity achieved in Europe: latest tenders awarded at market price, with no public incentives required.

Source: WindEurope

### **North Sea Power Hub Project**



**Location:** Dogger Bank, North Sea.

**Characteristics:** shallow waters with optimal wind conditions.

**Status:** feasibility study.

**Developers:** TenneT TSO (Netherlands/Germany) and Energinet TSO (Denmark).



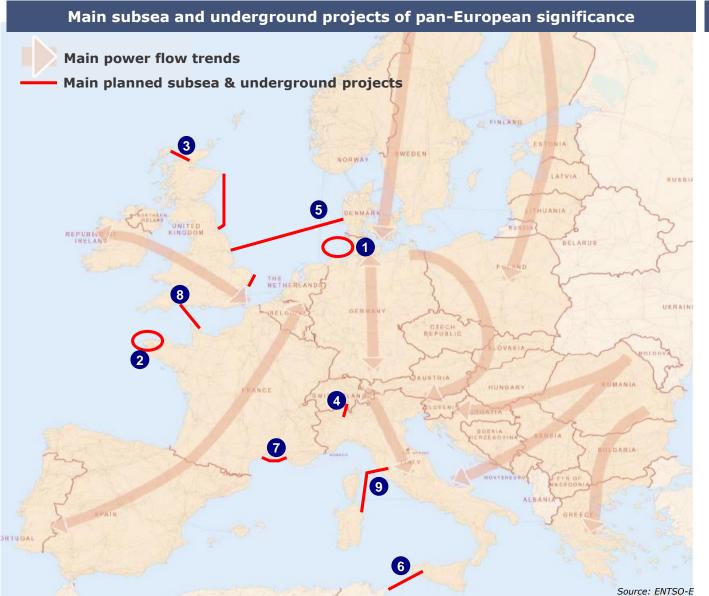
**Power Link Island:** 

**Purpose 1:** artificial islands offering near-shore connections to a large number of offshore wind farms (up to 100 GW).

**Purpose 2:** transmission DC cables to be used also to interconnect countries.

# Major transmission projects to be awarded

Large pipeline of pan-European projects under development



### List of main projects

- 1. **Germany** (HVDC Grid Offshore)
- 2. France Off-Shore (Inter-Array)
- 3. Western Isles Link
- 4. Green Connector
- 5. Denmark UK (Viking Link)
- 6. Tunisia Italy
- 7. Marseille Languedoc
- 8. France UK (FAB)
- 9. Sardinia-Corsica-Ita (SACOI3)

Other Projects: Spain-France (sub), Ireland-France (sub), Israel-Cyprus-Crete-Greece (sub), Ireland-UK (sub), Egypt-Saudi Arabia (sub), North-South Germany (underground).

## Latest submarine projects awarded

### **Key success factors**

- Track record and reliability
- Ability to design/execute turnkey solution
- Quality of network services
- Product innovation
- State-of-the-art cable laying ships

### **Action plan**

- Cable Enterprise vessel conversion to improve installation capacity
- New investment worth approx. €40m in Pikkala and Arco Felice to enhance the production capability to meet the order backlog requirements
- Leverage on strong off-shore windfarms trend
- Secure orders to protect long-term growth
- Focus on execution

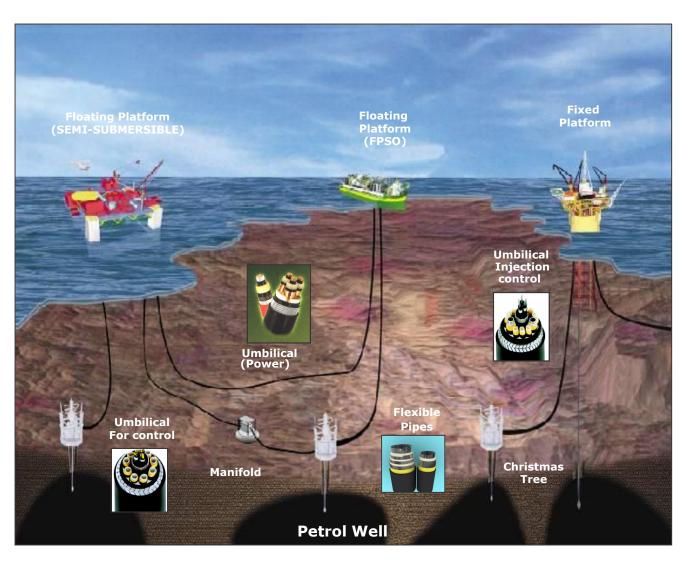
Latest Key projects	Customers	Period	€m*
IFA2	RTE / National Grid	2018-20	350
ElecLink	Groupe Eurotunnel	2017-19	79
COBRA cable	TenneT - Energinet.dk	2016-18	250
Hainan II	China South Grid	2016-19	\$140m
NSN Link	Statnett SF - National Grid	2015-21	550
West of Adlergrund Option	50Hertz Offshore GmbH	2015-18	230
Wikinger	Iberdrola Renovables Offshore	2015-17	60
Philippines	NGCP	2015-16	90
Dardanelles 2	TEIAS	2015-16	64
Cyclades	IPTO	2015-16	95
West of Adlergrund	50Hertz Offshore GmbH	2015-18	480
Shannon River Crossing	ESB	2014-16	40
Zakum offshore oil field	Emirates Holding	2014-15	30
BorWin3	TenneT	2014-17	250
Capri	Terna	2014-15	70
US Offshore platforms	ExxonMobil's	2014-15	\$100m
Balearic Islands	Red Eléctrica de España	2014-15	85
DolWin3	TenneT	2014-16	350
Normandie 3	Jersey Electricity plc	2013-14	45
Mon.Ita	Terna	2013-17	400
Dardanelles	TEIAS	2012-14	67
Phu Quoc	EVNSPC	2012-14	67
Western Link	National Grid-Scottish Power JV	2012-17	800
HelWin2	TenneT	2012-15	200
Hudson Project	Hudson Transm. Partners LLC	2012-13	\$175m
SylWin1	TenneT	2012-15	280

<sup>\*</sup> Prysmian portion of the project



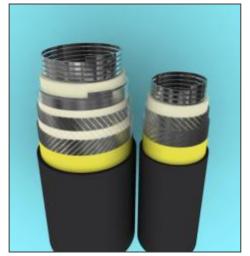
# **SURF** – Off-shore oil exploration

Oilfield structure



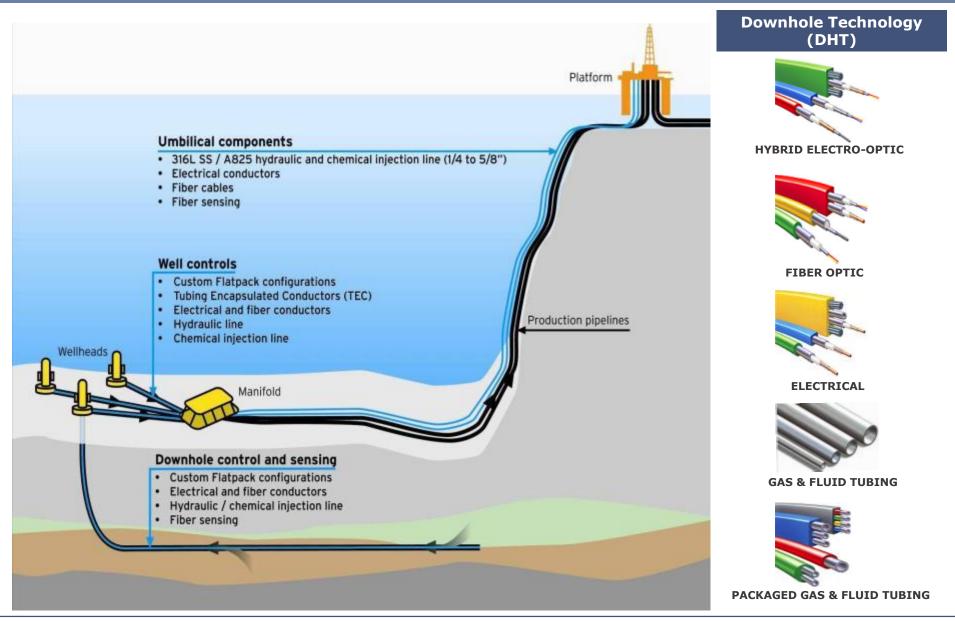
## **Flexible Pipes**





## **SURF – Off-shore oil exploration**

Cross selling opportunities driven by the Downhole technology business contributed by Draka

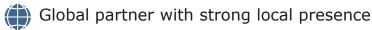


## Trade & Installers – Overview

#### **BUSINESS DESCRIPTION**

- Building wires, Low and Medium voltage cables for residential, commercial, industrial and infrastructure constructions
- Partner of the World best Wholesalers, Installers, Contractors & Specialized Distributors; with a clear focus on their needs following a Customer Centricity approach
- Complete product range of solutions for the construction world, including residential, commercial, industrial and infrastructure with focus on high performance products: best in class Fire Resistant cables, LSOH, Green cables, Easy to Install and Total Cost of Ownership reduction solutions

#### **KEY SUCCESS FACTORS**





Technological leadership and product excellence

Customer centric approach

Capillary logistical distribution network and service

Technical support

Extra services

Unique industry expertize

#### **KEY CUSTOMERS**

Cegelec)

Solutions & Services

VINCI - Imtech

Contractors & Installers







Wholesalers







Specialized distributors









## Trade & Installers

## Offer overview

RESIDENTIAL - COMMERCIAL -**INDUSTRIAL - INFRASTRUCTURE** 

- POWER SUPPLY
- **EMERGENCY CIRCUITS**

A MAJOR ROLE

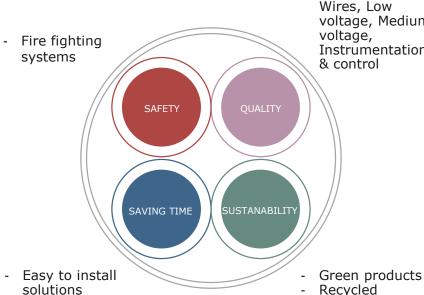
- CONNECTIONS
- MACHINERY (MOBILE OR NOT) -
- **SWITCHBOARD**

IN MILAN

**2015 EXPO** 

- LIGHTING
  - (INTERIOR/EXTERIOR)
  - **BRANCHES**
  - CONTROL/DATA
- **ELECTRICAL APPLIANCES**

#### **BEST IN CLASS FIRE RESISTANT AND LSOH CABLES**



Full range quality Building Wires, Low voltage, Medium voltage, Instrumentation & control

packaging

approach

Full life cycle

assessment

Special fire safety and eco-friendly cables for the site hosting the **Milan** Universal **Exposition** of 2015: 50 km of medium voltage P-Laser cables and 300 km of low voltage Afumex

cables

Approximately 350 km cables for Tele2 of high-tech fireresistant cables for power distribution supplied within the Shard skyscraper, the tallest building in London and Western Europe. Prysmian chosen as global supplier of BASEC and LPCB certified cables and components, and of support and advice to the construction company on the best installation methods to

use

THE LIVES OF THESE PEOPLE DO **NOT HANG** BY A THREAD





**TAKING** 

SAFETY

**TO NEW** 

**HEIGHTS** 



Around 500 km of Arena, a new, ultramodern multi-purpose stadium in Stockholm. Prysmian Group has supplied halogen-free cables for the stadium's power, telecommunication, and lighting systems, selected by the customer as the latest technology to quarantee safety

Smart

Packaging

Hybrid cables

Energy + Data

## **Industrial & Network Components – Overview**

### **Business description**

Integrated cable solutions highly customized to our industrial customers worldwide

#### **Specialties & OEM**

Products for mining, crane, marine, railway, rolling stock, nuclear, renewables, defense and other niches



#### **Elevator**

Meeting the global demand for high-performing, durable and safe elevator cable and components we design manufacture and distribute packaged solutions for the elevator industry



#### **Automotive**

Standard and specialist cables for the automotive and transport industry, collaborating with the sector's leading international manufacturers



#### **Network Components**

Network accessories and components to connect cables and other network elements



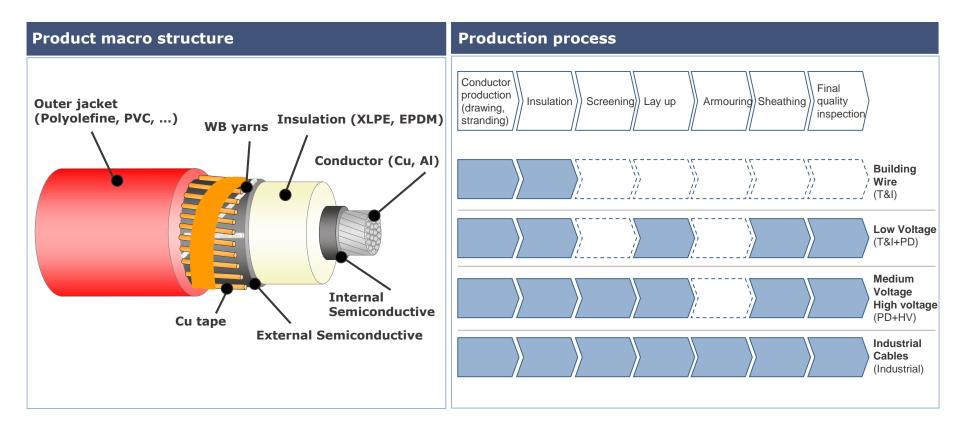
### **Key customers**

Large and differentiated customer base generally served through direct sales





# **Macro-structure of Energy Cables**



# Agenda

- Group overview
- Results by business
- Outlook
- > Financial Results

## > Appendix

- o Prysmian at a glance
- OCI Acquisition
- o Financials
- Energy Projects and Energy Products
- Telecom

## **Telecom – Overview**

### **Business description**

Integrated cable solutions focused on high -end Telecom

#### **Telecom solutions**

<u>Optical cables</u>: tailored for all today's challenging environments from underground ducts to overhead lines, rail tunnels and sewerage pipes

<u>Copper cables</u>: broad portfolio for underground and overhead solutions, residential and commercial buildings

<u>Connectivity</u>: FTTH systems based upon existing technologies and specially developed proprietary optical fibres



#### **MMS**

<u>Multimedia specials</u>: solutions for radio, TV and film, harsh industrial environments, radio frequency, central office switching and datacom <u>Mobile networks</u>: Antenna line products for mobile operators <u>Railway infrastructure</u>: Buried distribution & railfoot cables for long distance telecommunication and advanced signalling cables for such applications as light signalling and track switching



### **Optical Fiber**

Optical fiber products: single-mode optical fiber, multimode optical fibers and specialty fibers (DrakaElite)

Manufacturing: our proprietary manufacturing process for Plasma-activated Chemical Vapor Deposition and Licensed OVD Technology (600 unique inventions corresponding to > 1.4K patents) positions us at the forefront of today's technology



### **Key customers**

Key customers include key operators in the telecom sector





## **Optical cables**

Global overview

#### **Market trends**

- Demand function of level of capital expenditures budgeted by large telecom companies (PTT/incumbents as well as alternative operators) for network infrastructures, mainly as a consequence of:
  - Growing number of internet users data traffic
  - Diffusion of broadband services / other hightech services (i.e. IPTV)

#### **Key success factors**

- Continuous innovation and development of new cable & fibre products
- Cable design innovation with special focus on installation cost reduction
- Relentless activity to maintain the highest quality and service level
- Focus on costs to remain competitive in a highly price sensitive environment

### Strategic value of fibre

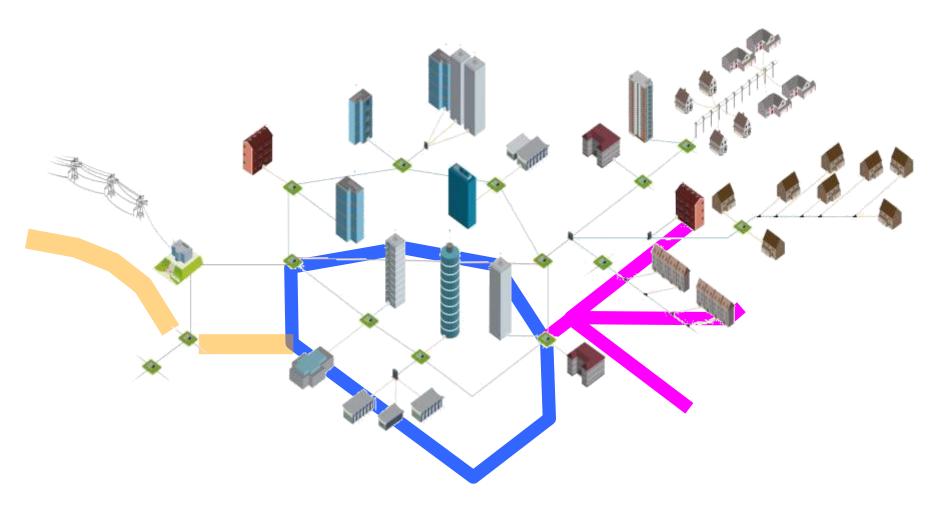
- Fiber optic represents the major single component cost of optical cables
- Fiber optic production has high entry barriers:
  - Proprietary technology or licenses difficult to obtain
  - Long time to develop know-how
  - Capital intensity
- When fiber optic is short, vertically integrated cable manufacturers leverage on a strong competitive advantage

### **Action plan**

- Maintain & reinforce position with key established clients
- Further penetration of large incumbents in emerging regions
- Optimize utilization of low cost manufacturing units
- Expand distribution model in Domestic & Export
- Streamline the inter-company process
- Fully integrated products sales
- Refocus on export activities
- Increase level and effectiveness of agents



# **Telecom Cables Main Applications**



**BACKBONE** 

**METROPOLITAN RING** 

**ACCESS NETWORK** 

## **Digital Agenda for Europe**

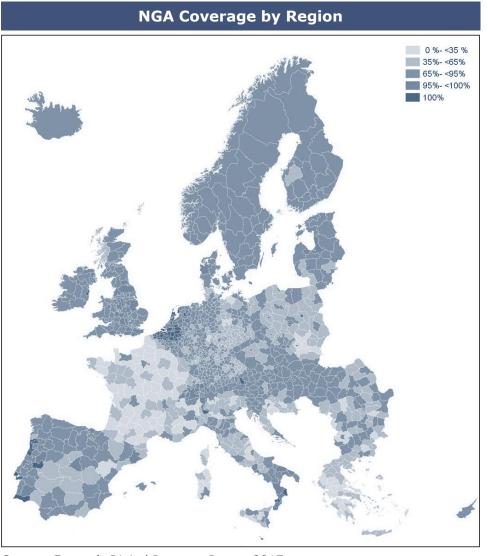
Setting up guidelines for all Member States to facilitate broadband development.

#### **2020 TARGETS**

- 100% coverage with 30Mbps download speed
- 50% take-up of 100Mbps subscription.

#### **NEW 2025 TARGETS PROPOSAL**

- New targets have to be confirmed by EU Commission and Parliament.
- 1 Gigabit download speed for schools, transport hubs, public services and digital intensive enterprises.
- 100Mbps download speed for 100% households.
- 1 Gigabit download speed in all urban areas.
- Uninterrupted 5G coverage in urban areas and major transport paths by 2025.

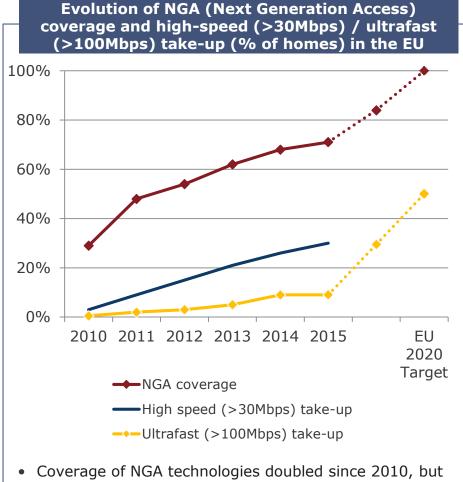


Source: Europe's Digital Progress Report 2017

## Telecom – Market trend

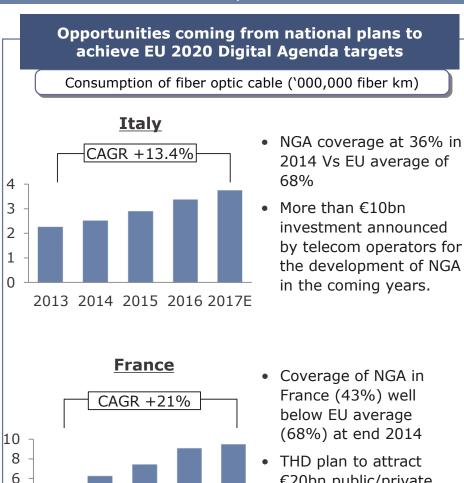
Growth opportunities coming from the development of broadband in Europe

4



- further efforts are requested to meet 2020 target of 100% coverage
- Take-up of ultrafast (>100Mbps) broadband remains marginal (3% of homes) still faraway from 2020 target (50%)

Source: European Commission Digital Agenda Scoreboard 2016



2013 2014 2015 2016 2017E

€20bn public/private

investments in 2012-22

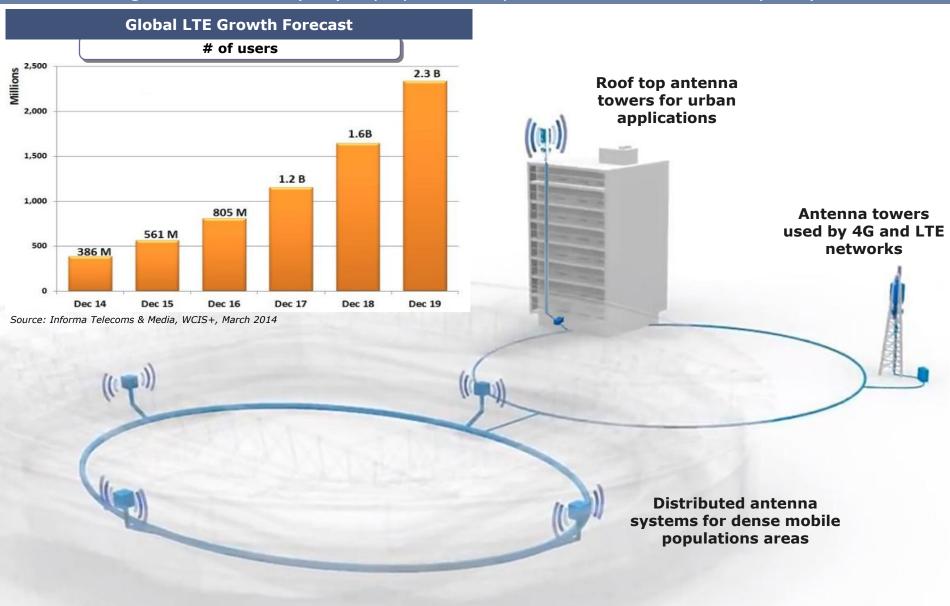
to develop high speed

and ultrafast

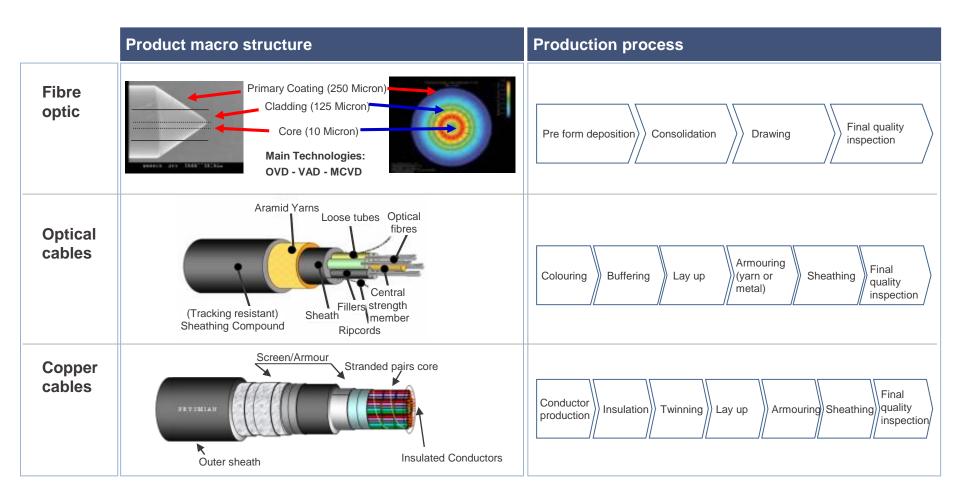
infrastructures

## Telecom - FTTA as key driver of optical demand

4G and Long Term Evolution (LTE) deployments require Fiber-to-the-Antenna (FTTA)

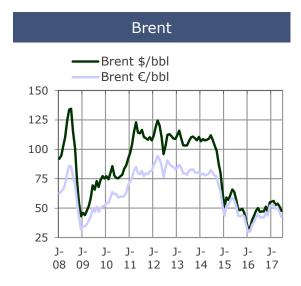


# **Macro-structure of Telecom Cables**

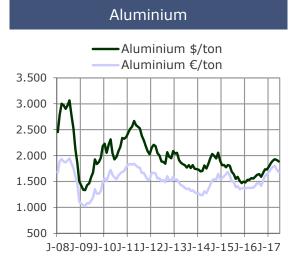


## **Reference Scenario**

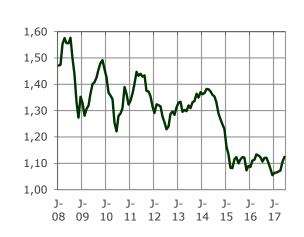
Commodities & Forex







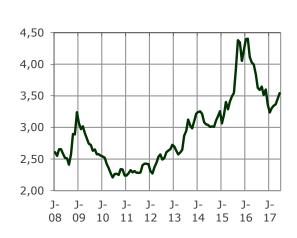
## EUR / USD







## EUR / BRL



Based on monthly average data Source: Nasdag OMX



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