

# World's Leading Satellite-enabled Solutions Provider



Covering 99.99% of the globe and world's population



>700 customers
across more than 130 countries



>50 GEO satellites offering multiple frequency bands



Delivering value-added endto-end solutions



**12 MEO satellites** (growing to 20 satellites by 2019)



>EUR 2 billion annual revenue (FY 2016)



>20 Teleports
supporting global ground network



EUR 7.8 billion contract backlog (as at Q1 2017)

# **Executing Differentiated Strategy**



▲ Delivering a flexible and scalable, global satellite-enabled network



▲ Focusing on value-added, end-to-end solutions in four key market verticals, where SES is well positioned to accelerate



▲ Innovating at all levels of the business to create future-proof differentiation



#### **Delivering Sustained Profitable Growth and Returns**



Returning to sustained and profitable growth in medium term

- ▲ Delivering growth across the business
- Demonstrating sustainable foundations
- Enhancing profitability through differentiation



Building differentiated capabilities in each market vertical

- ▲ Sustained organic investments across the value chain
- Disciplined investment in accelerators
- Aligned operating model and management



Applying a consistent financial framework

- ▲ Strong operating cash flow funding growth investments
- Progressive dividend per share re-affirmed
- Growth accelerators executed within financial framework

#### **Financial Outlook**



Well positioned to deliver sustained revenue growth<sup>(1)</sup>

- ▲ Video/Government stable to slight growth in 2017, low growth medium term
- ▲ Returning to growth in Enterprise and strong growth in Mobility from 2017
- ▲ Up to EUR 750 million from GEO-MEO growth investments at 'steady-state'(3)
- ▲ Substantial contract backlog of EUR 7.8 billion (as at Q1 2017)



Improving EBITDA and Operating profit margins<sup>(1)</sup>

- ▲ EBITDA margin broadly stable for 2017/2018, improving in medium term
- ▲ Operating profit margin significantly improving to over 40% in medium term



Increasing Return on Invested Capital<sup>(1,2)</sup>

▲ Increasing to over 10% medium term



Increasing CapEx efficiency

- ▲ EUR 810 million for FY 2017 and EUR 560 million for FY 2018
- ▲ ~50% of 2017-2021 CapEx currently uncommitted

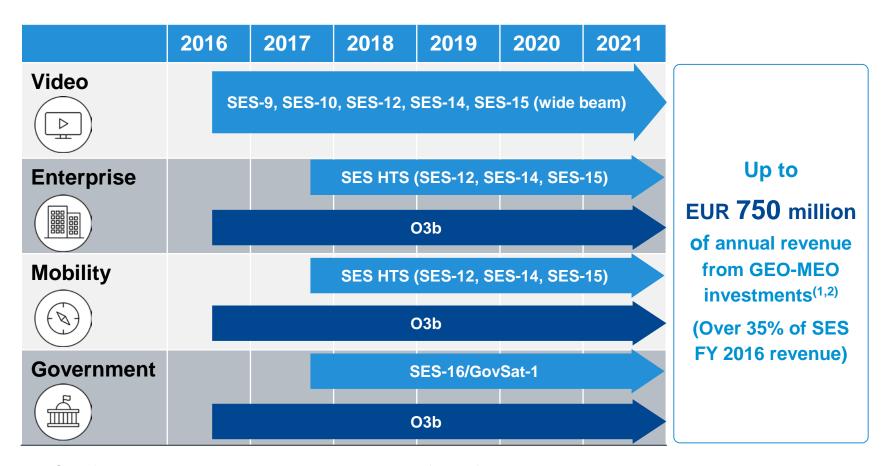
<sup>1)</sup> On a like for like basis, assuming RR Media and O3b had been consolidated on 1 January 2016. On this basis, Full Year 2016 EBITDA margin of 66.7% and Full Year 2016 Operating profit margin (before gain on deemed disposal of equity interest) of 33.3%

<sup>2)</sup> Calculated as Net Operating Profit After Tax (NOPAT) divided by average of opening and closing shareholders' equity plus Net Debt

<sup>3)</sup> Annualised revenue from recently added and forthcoming GEO-MEO investments which are expected to be launched by end-2019



#### **Delivering Long-term Sustainable Growth**



- ▲ Significant, long-term pre-commitments secured for all future growth investments
- ▲ SES-17 (launch in 2020) expected to add a further EUR 100 million of annual revenue at 'steady-state'

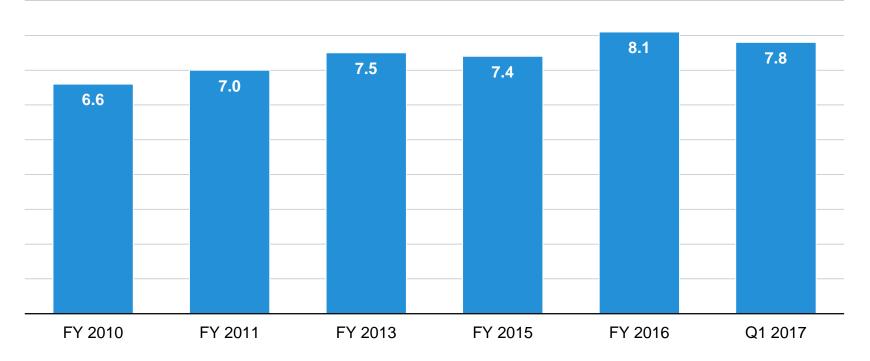
<sup>1)</sup> Annualised incremental revenue for GEO incremental capacity at average 'steady-state' utilisation of around 75% (based on FX rate of EUR 1: U.S. Dollar 1.10) 2) Based on O3b constellation of 17 satellites in operation and at 'steady-state' utilisation (based on FX rate of EUR 1: U.S. Dollar 1.10)



# **Substantial Contract Backlog Underpins Growth Outlook**

#### SES's fully protected contract backlog

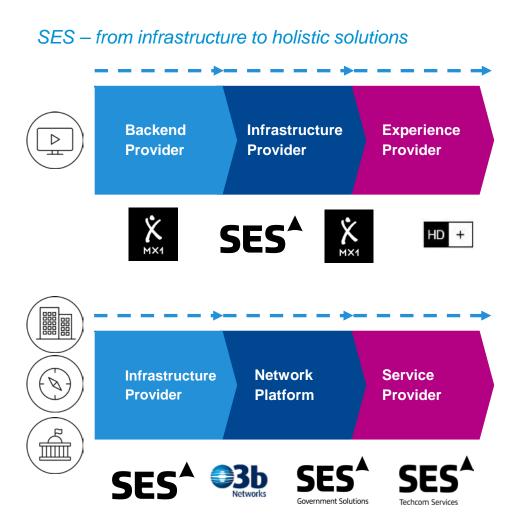
**EUR** billion



▲ Weighted average contract length remaining of around eight years



#### **Enabling Markets and Clients Through End-to-end Solutions**



- ▲ Integrating space and ground assets
- Accelerating the scalability of resources
- ▲ Fast-tracking deployment of solutions and applications:
  - Video: SD to HD/UHD acceleration;
     LIQUID VoD; East Africa platform
  - Enterprise: Service Provider+, Telco+, Enterprise+ products
  - Mobility: Aero+ and Maritime+ products
  - Government: Tactical Persistent Surveillance, e-inclusion



### SES Video: End-to-end Solutions in Prime Neighbourhoods



**325 million** global households served by SES satellites (+3% YOY)



**22 UHD channels** including Fashion One and Sky (+47% YOY)



7,610 TV channels broadcast globally (+4% YOY)



**44 million IPTV homes**; enabling hybrid solutions



<EUR 0.5 average monthly cost per household



>2,750 TV channels distributed globally by MX1



2,496 HDTV channels (+6% YOY); HD penetration of 33%



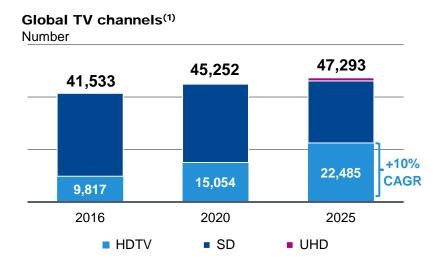
>120 Video on Demand platforms supported by MX1 globally

▲ Focusing on delivering the best viewer experience to any device, anywhere

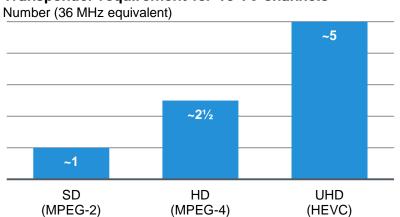


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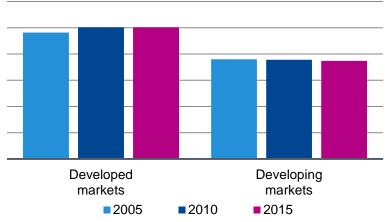
#### **Positive Demand Outlook Across Video**



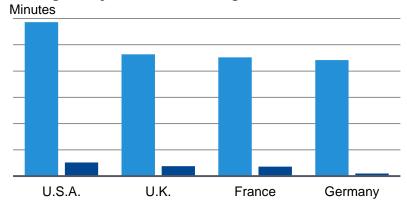
#### Transponder requirement for 10 TV channels







#### Average daily linear TV viewing(2)



<sup>1)</sup> Source: Euroconsult. 2025 forecast includes 1,116 UHD TV channels (2016: 71)

<sup>2)</sup> Source: Eurodata TV

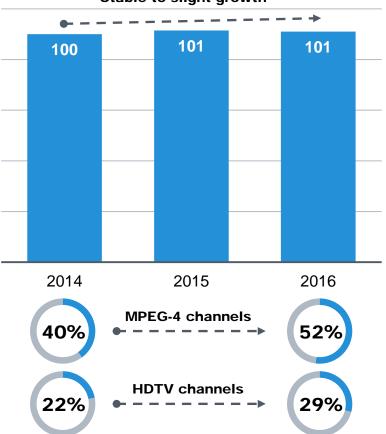


### **Enhancing Viewing Experience to Drive Demand in Europe**

#### **European Video Revenue**

2014 = 100

#### Stable to slight growth





#### ~740 HDTV channels

broadcast across Europe by SES satellites (29% of total TV channels)



#### >1,800 SDTV channels

broadcast across Europe by SES



~15-40 TPEs<sup>(1)</sup> of incremental

bandwidth consumed when:

- ▲ 40-45% of total channels in HD; and
- 60-70% of channels in MPEG-4
- Represents up to 10% of SES's current satellite capacity in Europe

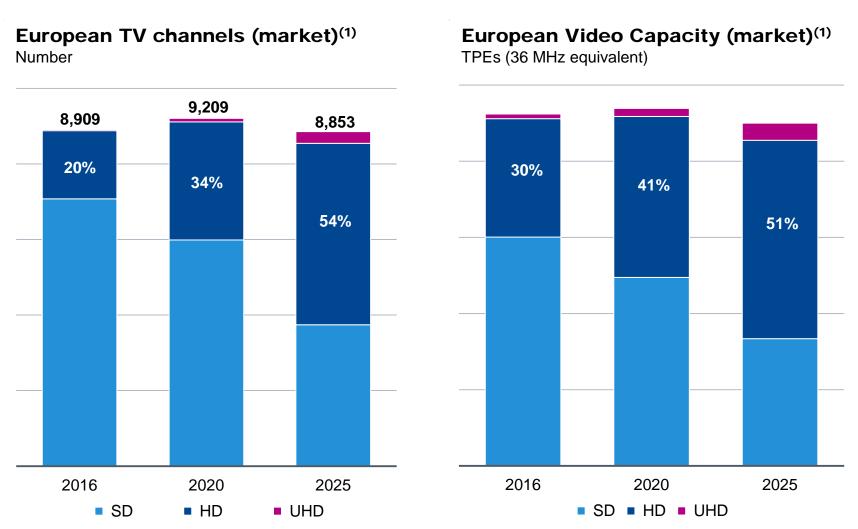


UHD acceleration providing additional upside potential

<sup>1)</sup> Transponder Equivalents "TPEs" (36 MHz equivalent). Calculation indicative and based on current SES TV channel count and composition in Europe (at Q1 2017)



# **Stable Growth Outlook for European Video**



<sup>1)</sup> Source: Euroconsult

<sup>2)</sup> Source: NSR



# Enabling an End-to-end Solution in Germany With HD



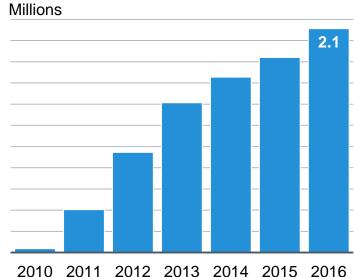






- ▲ Using differentiated capabilities to accelerate HD adoption in Germany
- ▲ Distributing 30 free-to-air HD channels, plus 23 private HD channels
- ▲ Over 2.1 million paying customers (+15% YOY); plus 0.9 million in free trial period
- ▲ Enhancing viewer experience with UHD and complementary non-linear solutions













# **Expanding Digital Video Platforms in Developing Markets**



90 million households across Asia-Pacific, Latin America and Africa



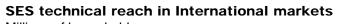
>2,900 TV channels broadcast over the SES fleet

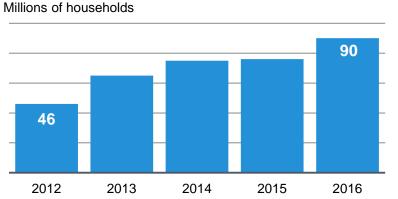


Growth of +35%<sup>(1)</sup> in total channels expected in developing markets (2016-2025)

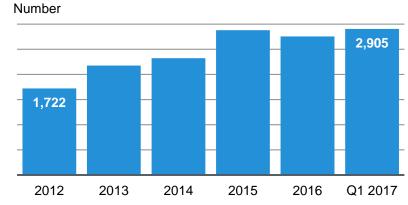


+13%<sup>(2)</sup> expansion of SES capacity for developing markets (2016-2017)





#### SES total TV channels



<sup>1)</sup> Source: Euroconsult

<sup>2)</sup> Represents incremental wide beam transponders (36 MHz equivalent) recently and expected to be launched on SES-9, SES-10, SES-12 and SES-14



### **Accelerating the Introduction of Commercial Ultra HD**



Broadcasting 22 commercial UHD channels (+47% YOY)



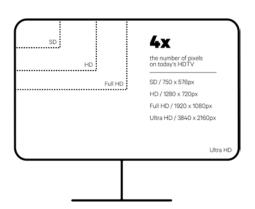
5 times bandwidth requirement of an SD channel



Managing global distribution for >50% of SES's commercial UHD channels



>1,000<sup>(1)</sup> global UHD channels expected by 2025 (2016: 71)





















1) Source: Euroconsult

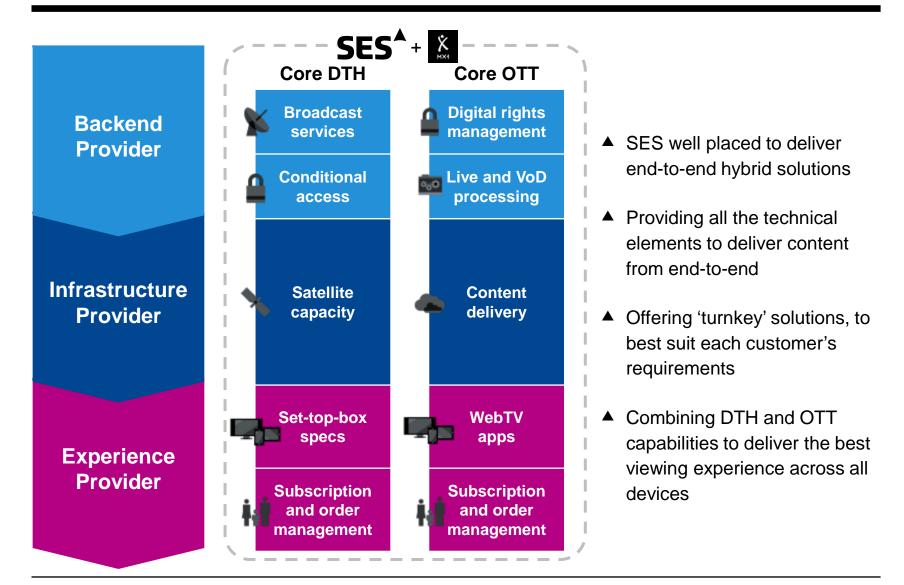


# **Expanding Capabilities Across the Video Value Chain**



- : World-leading media solutions and experience provider
  - Distributing >2,750 TV channels; serving >120 VoD platforms; delivering >500 hours of sports per day
- ▲ Enabling major broadcast clients:
  - Premier : providing content distribution services for global broadcasting of premier league matches in HD
    - SIKV : agreement to bring first free-to-air channel (Sky Sports News HD) to Germany and Austria
  - ★UROSPORT: delivering technical and transmission services on HD+, expanding HD+'s premium offering
  - : multi-year deal for the global distribution of live games and content in HD

# **Delivering Scalable Linear/Non-linear End-to-end Solutions**





# **SES Networks: Global Managed Connectivity Networks**



Unique global **GEO-MEO** distributed network



99.99% measured service availability (benchmark: 99.97%)



>300 enterprise customers, including major tier one global clients



Up to 1.6 Gbps per MEO beam with low latency (<150 ms)



~90% connected aircraft market served with global IFC/IFC partners



>One million cruise passengers served each year



**62** global government clients served in 28 countries



**13** U.S. Government agencies served by SES Government Solutions

▲ Focusing on delivering scalable and high-performing connectivity solutions

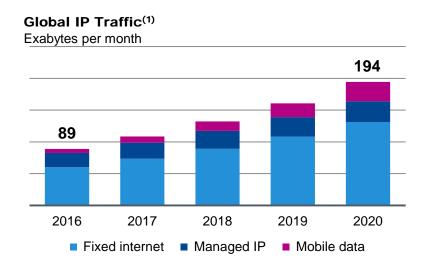
# **Providing Tailored Solutions Across the Data Verticals**

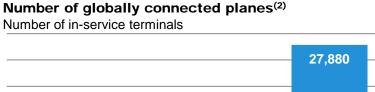
	Application	GEO wide beam	GEO HTS	MEO HTS
Enterprise	Corporate networks	<b>←</b>		
	Enterprise broadband	<b>—</b>		<del></del>
	Energy		<b>←</b>	<b></b>
	Mobile backhaul		<b>—</b>	<del></del>
	Consumer broadband		<b>←</b>	<b></b>
	Trunking			<b>←</b>
Mobility	Aeronautical	<del></del>		
	Maritime	<del>-</del>		
	Oil & Gas	<del></del>		
Government	Military	<del></del>		<del></del>
	Civilian	<del>-</del>		

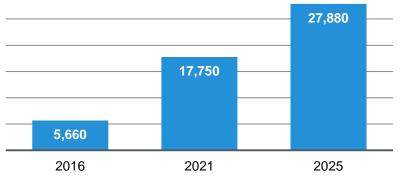
▲ Delivering optimal networks and solutions over multi-layered global architecture



#### Positive Demand Outlook Across SES's Data-centric Verticals

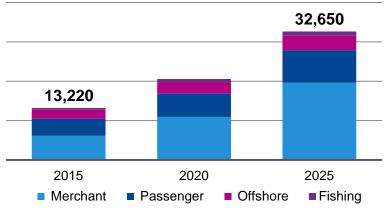






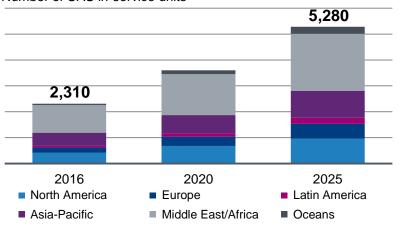
#### Number of globally connected ships(2)

Number of broadband maritime vessels



#### Global UAV-ISR deployments(2)

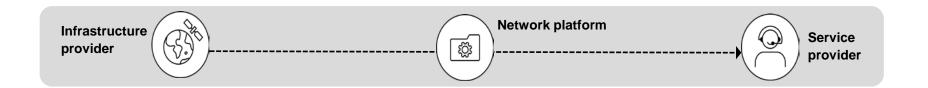
Number of UAS in-service units



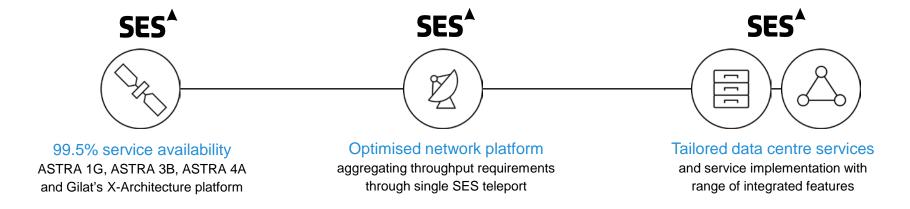
1) Source: Cisco

2) Source: NSR (for aero and maritime FSS only)

# **Turnkey Solutions for Tier One Enterprise Clients**



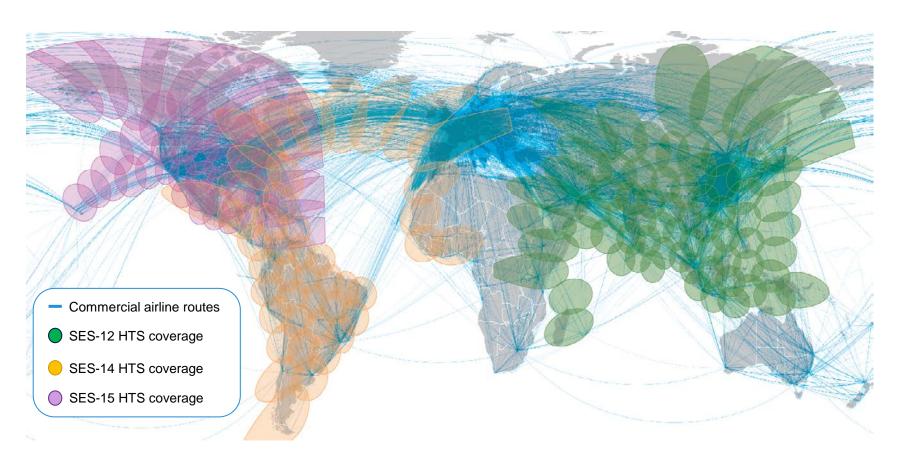
▲ : providing a complete solution that brings mobile internet services to Sub-Saharan Africa



Expanding future capabilities with flexible and scalable SES GEO and O3b MEO HTS solutions



# Superior 'Home-equivalent' Passenger Experiences in the Air



- ▲ Complementing SES's global wide beam GEO network, along with O3b's unique MEO HTS
- ▲ Securing long-term agreements with major global service providers: 🤲



**Panasonic** 

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# Establishing SES as the 'Partner of Choice' in Aero



	SES-12 (wide beam and HTS)	SES-14 (wide beam and HTS)	SES-15 (wide beam and HTS)	SES-17 (HTS)	SES's existing network
GLOBAL EAGLE ENTERTAINMENT	✓	✓	✓		<b>√</b>
gogo ⇔		✓	✓		✓
Panasonic Panasonic Avionics Corporation		✓	$\checkmark$		✓
THALES				✓	<b>√</b>

Major, Long-term commitments with IFC/IFE providers serving ~90% of connected aircraft

- Multi-layered and multi-band network delivering optimised mobility solutions
- Complementing existing station-kept and inclined assets with flexible and customised HTS

#### **Delivering Seamless Maritime Connectivity**











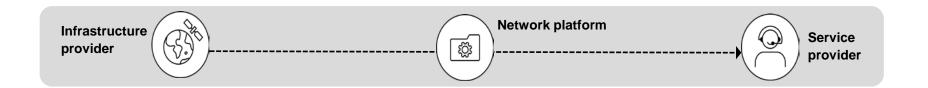




- Delivering the next generation data network for the maritime industry (Maritime+)
  - Unique global GEO-MEO capabilities
  - Access to multiple spectrum
  - Reliable and secure network
  - Innovative, customised products/solutions
  - 24/7 network operations and services
- ▲ O3b changing the cruise industry
  - From serving two ships to 11 ships
  - From follow the ship to dynamic shared capacity
  - From bandwidth only to fully managed solution



#### **End-to-end Solutions for Global Government Clients**



- TROJAN : SES GS's largest ever contract award (potential value of up to USD 285 million)
  - · From bandwidth-only to customised managed service for U.S. Army Intelligence and Security Command
  - · SES GS providing access to a global and multi-band end-to-end network via the SES fleet
  - SES GS delivering centralised network management and bandwidth management solutions



### **Delivering Flexible and Scalable Network Solutions**

#### Infrastructure **Provider**

**Network** 

**Platform** 



Global ground network

**Data centre** 

services

**GEO** wide beam

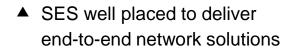




**GEO HTS** 

**VSAT** terminals







**Network** security



**Turnkey teleport** solutions

- ▲ Multi-layered infrastructure (GEO-MEO) with wide beam and HTS capabilities
- ▲ Global coverage with a range of frequencies (C-, Ku-, Ka-, military Ka- and X-band)
- Supporting service level agreements and requirements
- ▲ Global ground network with innovative cloud/IP-based capabilities





**Enterprise** Cloud)



**Mobility** (Telcos, MNOs, (Aero, Maritime)



**Government** (Civilian, Military)



# **Expanding Future Satellite Network and Capabilities**

	Launch date	Payload type	Incremental txps <sup>(3)</sup>	HTS capacity (GHz)	Launch provider
SES-10	Launched March 2017 (OSD by end-May 2017)	Shaped	27	-	SpaceX
SES-11	H2 2017	Shaped	-	-	SpaceX
SES-12 <sup>(1)</sup>	H2 2017	Shaped/HTS	8	14	Ariane
SES-14 <sup>(1)</sup>	H2 2017	Shaped/HTS	8	12	SpaceX
SES-15 <sup>(1)</sup>	Q2 2017	Shaped/HTS	16	10	Ariane
SES-16/GovSat-1 <sup>(2)</sup>	H2 2017	Fully steerable	68	-	SpaceX
O3b (satellites 13-16)	H1 2018	HTS			
O3b (satellites 17-20)	H2 2019	HTS			
SES-17	2020	HTS			

▲ Expanding global network, with long term anchor customers secured before procurement

<sup>1)</sup> SES-12, SES-14 and SES-15 will be positioned using electric orbit raising, with entry into service some four to six months after launch date

<sup>2)</sup> Procured by LuxGovSat

<sup>3) 36</sup> MHz equivalent

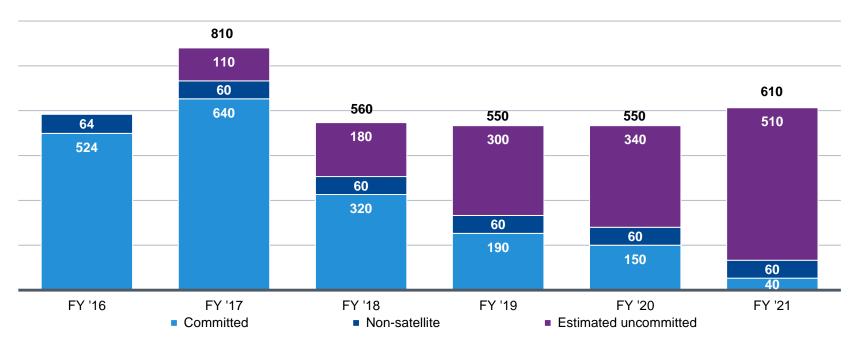
<sup>&</sup>quot;OSD" refers to Operational Service Date



#### **Future Capital Expenditure Profile**

#### GEO-MEO Capital Expenditure (growth and replacement capacity)(1)

**EUR** million

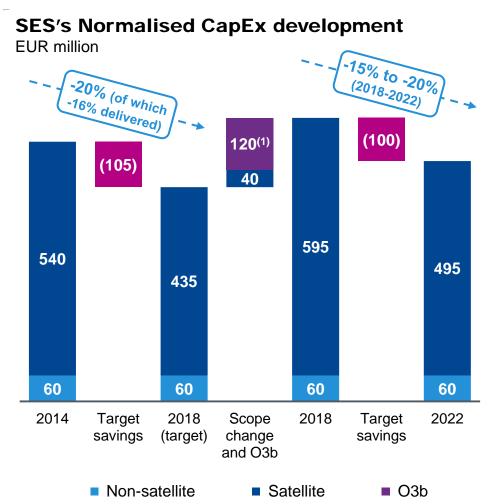


- ▲ ~50% of 2017-2021 CapEx is currently uncommitted
- ▲ Future CapEx efficiency potential via innovation and unique GEO-MEO combination

<sup>1)</sup> Including payload, launch, capitalised interest and excluding financial or intangible investments (based on FX rate of EUR 1: USD 1.10)



### Reducing Normalised CapEx; Improving Capital Efficiency



Economies of scale and design reduce Normalised CapEx by 16% from 2014

- Primary satellites reduced from 37 to 32
- Cost per satellite EUR 214 million (-3%)
- Design life of 15 years (unchanged)
- Well on track to deliver 20% reduction in Normalised satellite replacement CapEx (2014-2018)
- Scope change (SES-16 and HTS capacity) and O3b add EUR 160 million
- ▲ Targeting 15%-20% reduction in consolidated Normalised CapEx
  - Efficiencies in fleet scale, design and scope synergies (e.g. GEO/MEO)

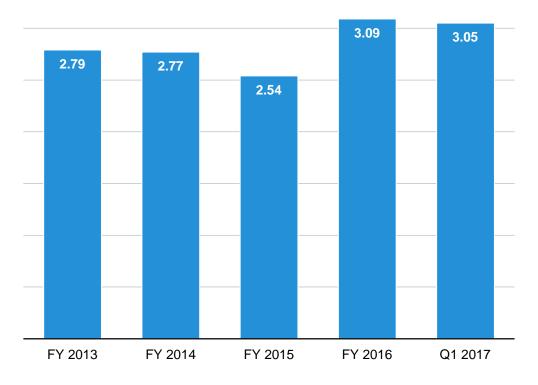
<sup>1)</sup> Based on EUR 73 million (USD 80 million) cost per satellite (20-satellite constellation) and assumed design life of 12 years per satellite



# **Maintaining SES's Strong Balance Sheet Metrics**

#### SES's net debt to EBITDA ratio(1)

**Times** 



- Executed growth accelerators within financial framework
- Net Debt to EBITDA ratio increased following RR Media and O3b consolidation
- ▲ Average interest cost of 3.9%
- Long-term average debt maturity of around eight years

<sup>1)</sup> Based on rating agency methodology (hybrid bonds as 50% debt/50% equity) and includes last 12 months EBITDA from O3b and RR Media



### **Applying a Consistent Financial Framework**



Separate investing decision from financing decision

- ▲ Target IRRs in excess of 10%
- ▲ Securing anchor customers in advance of procurement
- ▲ Seeding new market opportunities with existing global network/assets
- ▲ Disciplined investment across value chain to deliver customer solutions



Financing decision to maximise future ROIC

- ▲ Optimising SES's long-term cost of capital and liquidity
- ▲ Retaining flexibility with access to wide range of attractive sources
- ▲ Maintaining net debt to EBITDA ratio below 3.3 times



Applying consistent use of cash approach

- ▲ Current replacement requirements and committed growth pipeline
- ▲ Maintaining a progressive dividend per share
- ▲ Executing additional growth accelerators within financial framework

Driving sustained, profitable growth and long-term returns



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