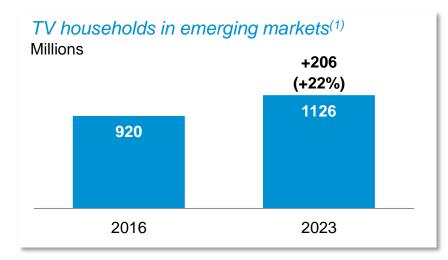


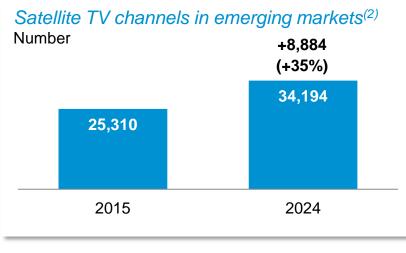
SES's growth markets: Video

Ferdinand Kayser, CCO

SES^{*}

Strong growth potential from globalising SES's video business





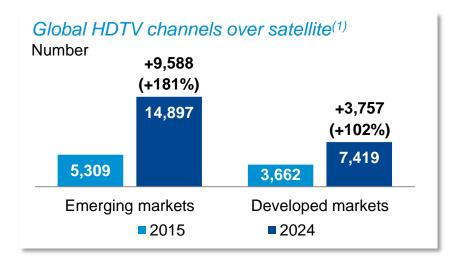
1) Source: NSR

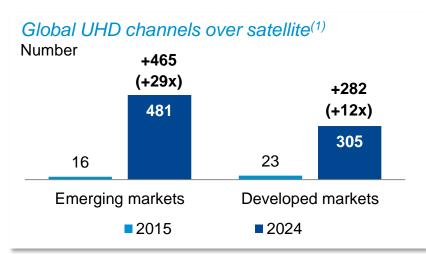
2) Source: Euroconsult

- Significant audience growth driving demand for new video platforms in emerging markets
- Growing audiences demanding more choice and more TV channels
- ▲ SES expanding in global video
 - Serving 76 million TV households in International
 - Broadcasting over 2,750 TV channels in International
 - 52% of SES's available capacity serving International markets (including SES-9)
 - Growing capacity in Latin America at established video neighbourhoods with anchor customers



Driving growth from the transition to HD and Ultra HD



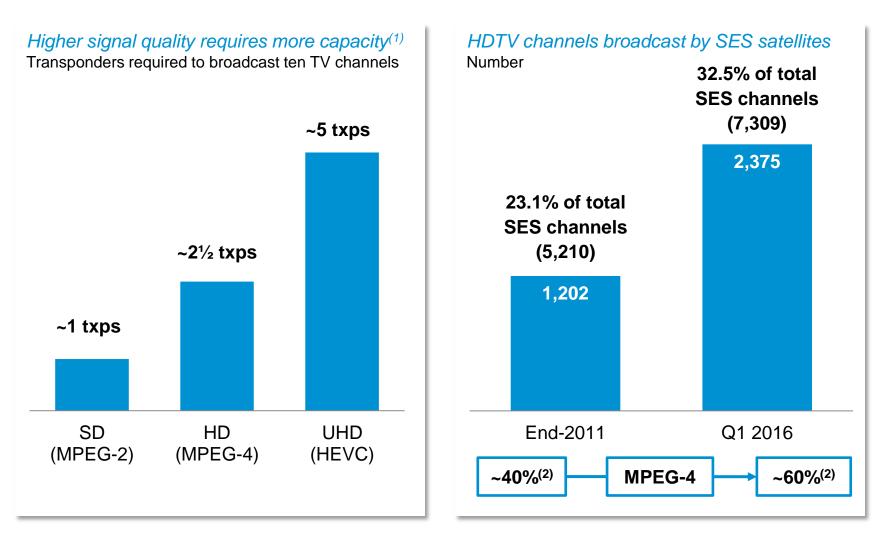


1) Source: Euroconsult

2) Source: IHS

- Increasing demand for higher quality viewing experience
 - TV screen sizes >49" represent the biggest growth segment⁽²⁾
- ▲ Higher quality signals require more capacity
 - Compression enhancements stimulating transition from SD to HD and UHD
- SES benefiting from transition to HD/UHD, and outperforming the industry
 - ~60% of all TV channels in MPEG-4
 - HDTV now 32.5% of all TV channels, compared to 19.8% for the rest of the industry

Enabling higher quality content with compression

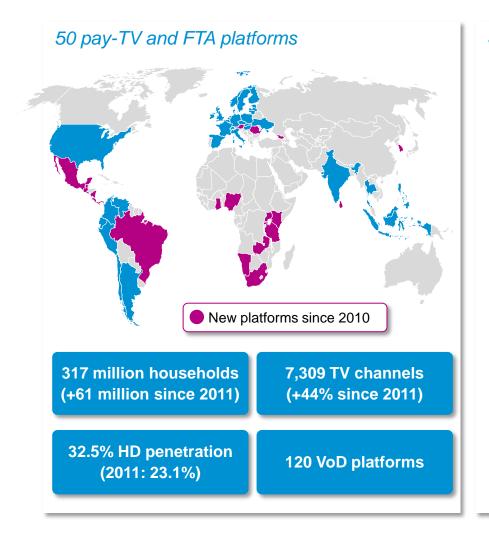


Based on one 36 MHz transponder delivering approximately 40 Mbit/s
 MPEG-4 TV channels as a proportion of SES's total TV channels





Providing scalable, global solutions



Supporting over 500 broadcasters/operators





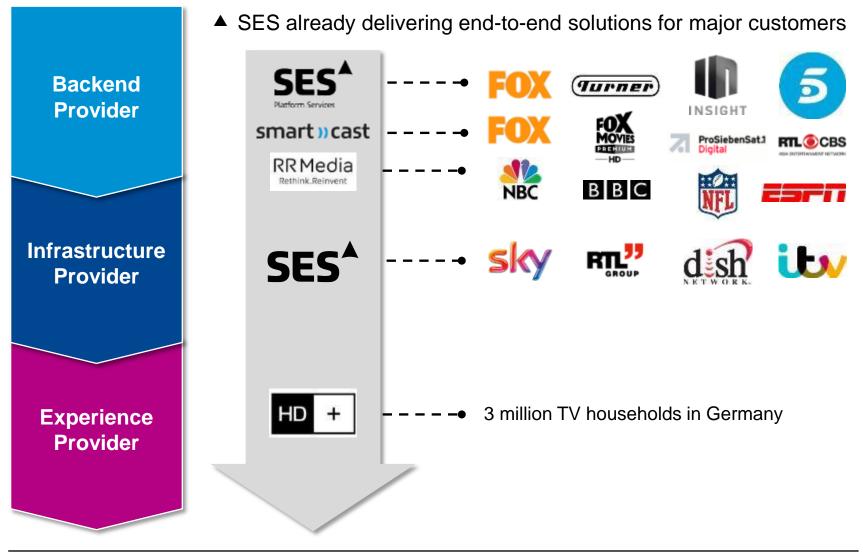
Scaling up SES's global video offering

	2011	2016
1 Liberalising the broadcast environment	256 million TV households	317 million TV households
2 Facilitating the digital switchover	5,210 TV channels	7,309 TV channels
3 Enabling the move to higher quality	23.1% HD penetration	32.5% HD penetration
4 Delivering holistic and hybrid solutions	0 VoD platform	120 VoD platforms
5 Replicating the SES way of working globally	 +23% available capacity in Asia-Pacific +15% available capacity in Latin America 	



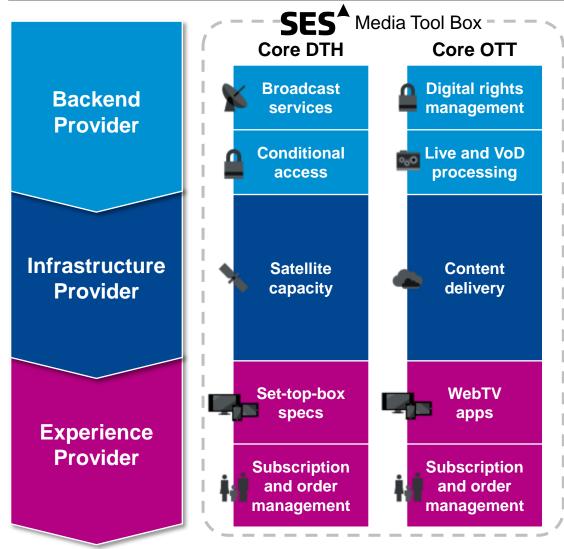


Delivering differentiated, holistic solutions





Offering scalable, linear/non-linear end-to-end solutions



 SES well placed to deliver end-to-end hybrid solutions

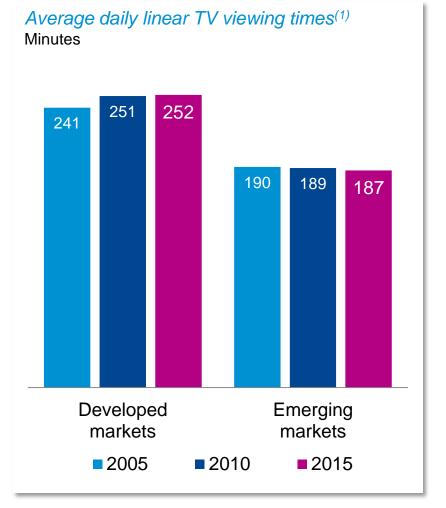
SE⁹

- Providing all the technical elements to deliver content from end-to-end
- Offering 'turnkey' solutions, to best suit each customer's requirements
- Combining DTH and OTT capabilities to deliver the best viewing experience across all devices





Complementing satellite's competitive advantages



- ▲ Linear TV consumption remains stable
- ▲ Satellite delivers compelling advantages:
 - 100% global coverage
 - · Consistent and high quality bandwidth
 - Highly cost-efficient delivery method
- Non-linear adding incremental viewing times, mostly during daytime
 - OTT increasingly substituting Blu-Ray/DVD
- ▲ Hybrid approach is essential

1) Source: Eurodata TV

SES^{*}

Case studies: complementing satellite with OTT



Task

- Create a financially viable model for German FTA TV broadcasters to broadcast content in HD quality
- Extend to multi-screen distribution

Implementation

- ▲ Introduction of HD+ extrascreen, using SAT>IP technology
- Extending the reach of HD in Germany

Benefit

- Addressable market grown to over 3 million HD+ homes
- ▲ End consumers able to watch 21 encrypted HD and all FTA HD channels on their mobile devices, using SAT>IP



HOME:TV

Task

- Create a pan-European TV Broadcast and VoD platform for expatriates in Europe
- ▲ Implement complete end-to-end distribution on DTH and OTT

Implementation

- Content contribution, back-end services and distribution via satellite and Content Delivery Network
- ▲ Provide OTT reception via iOS, Android and Webplayer

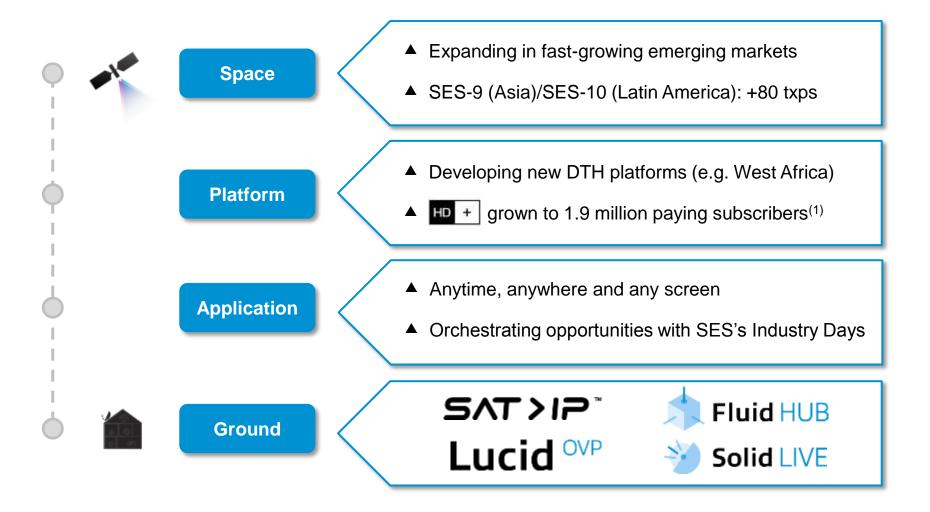
Benefit

- ▲ End consumers have choice to select DTH and/or OTT
- Based on LUCID OVP to enable reception on all common IP devices, in addition to the main TV screen





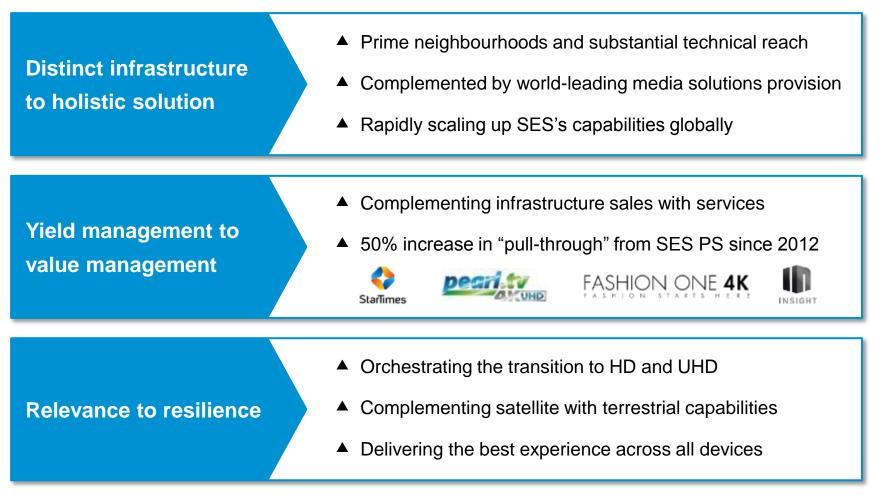
Shaping the future by innovating at all levels



1) Excluding 1.2 million households currently within the six months free introductory period

Accelerating SES's future-proof differentiation

Three key principles:





Becoming the first choice for delivery of global video content

- ▲ Growing SES's prime neighbourhoods and substantial technical reach
- Enhancing SES's hybrid capabilities and ancillary services globally

