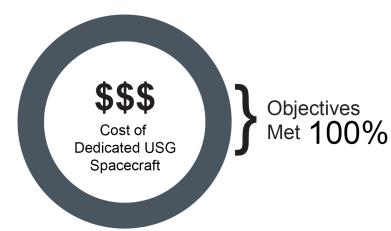
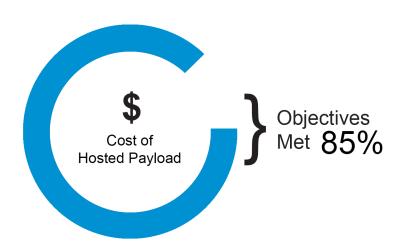
### **HOSTED PAYLOADS**

Why hosted payloads are a clear choice









2011 CHIRP SES - 2



2012 EGNOS I SES - 5

### On Orbit



2012 EGNOS II ASTRA 5B



2015 WAAS SES - 15



2015 GOLD SES - 14

# Missions For Payloads



Industry & Government partnering to provide resilient solutions.



Climate



Space Weather



Science



Navigation



**Special Comms** 



Warning

Government opportunities to launch dedicated spacecraft:

1 Per 5 - 10 Years



Commercial opportunities to launch hosted payload:

4 - 6 Per Year

## HOSTED PAYLOADS IN SUPPORT OF SSA ARCHITECTURE

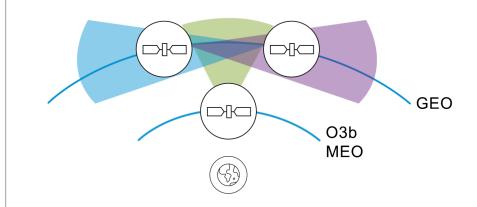


#### MORE HOSTING EXPERIENCE THAN ANY OTHER GEO OPERATOR

Hosted Payloads already launched CHIRP/EGNOS I & II, WAAS/GOLD

- ➤ Replenishment of SES' fleet of over 50 GEO satellites requires launch of 3 platforms annually each capable of hosting Space Situational Awareness (SSA) (east/west looking) sensors
- ➤ Growth opportunities in SES' O3b fleet provide access to unique MEO perspective (upward looking)
- ➤ Combination of GEO hosted, MEO hosted and GEO COCO (Commercially Owned Commercially Operated) provides unmatched SSA capability from a single owner/operator
- ➤ Secure backhaul of classified data across SES' global network demonstrated from CHIRP hosted payload launched on SES-2 (2011)

#### MEO/GEO INTEGRATED SSA



#### SES NETWORK MAP

