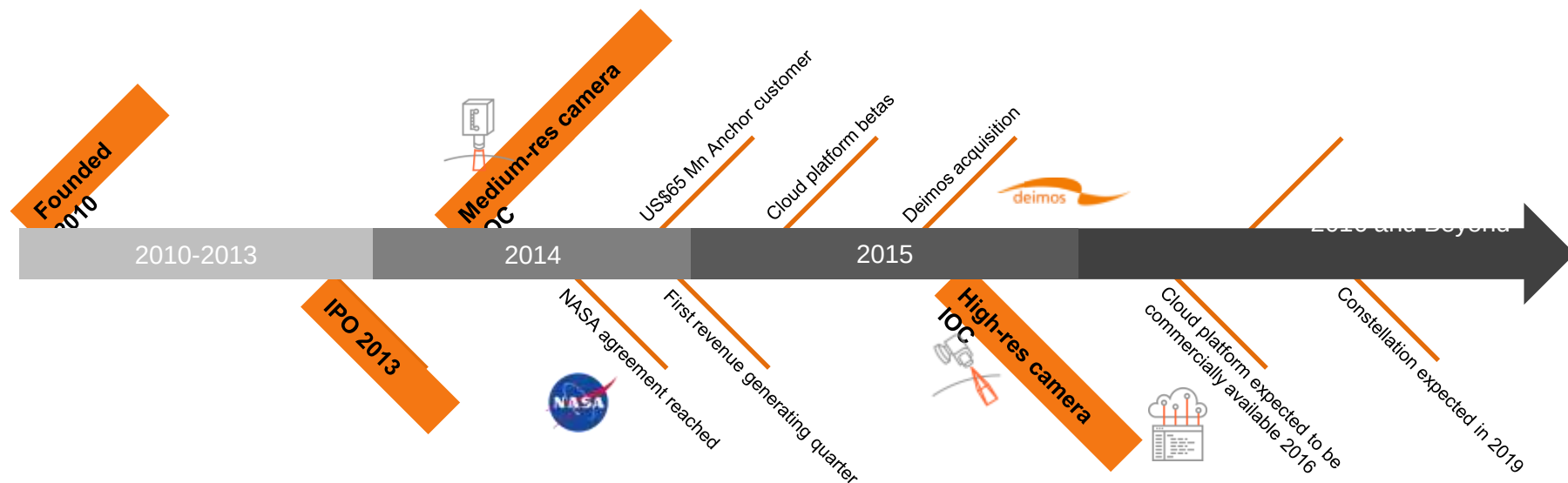




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Use and distribution without written permission from UrtheCast is strictly prohibited.

# Una trayectoria reconocida de innovación



# UrtheCast: más allá de la Observación de la Tierra

UrtheCast está creando un ecosistema basado en la nube, independiente de las fuentes de datos, para procesar, mostrar, analizar y distribuir imágenes de satélite, monitorizando un mundo en permanente cambio



Bosques



Medio  
Ambiente



Agricultura



Emergencias



Seguros



Materias  
Primas



Recursos  
Naturales



Infraestructura



Gestión Urbana



Transporte



Noticias



Seguridad  
Pública



ONGs



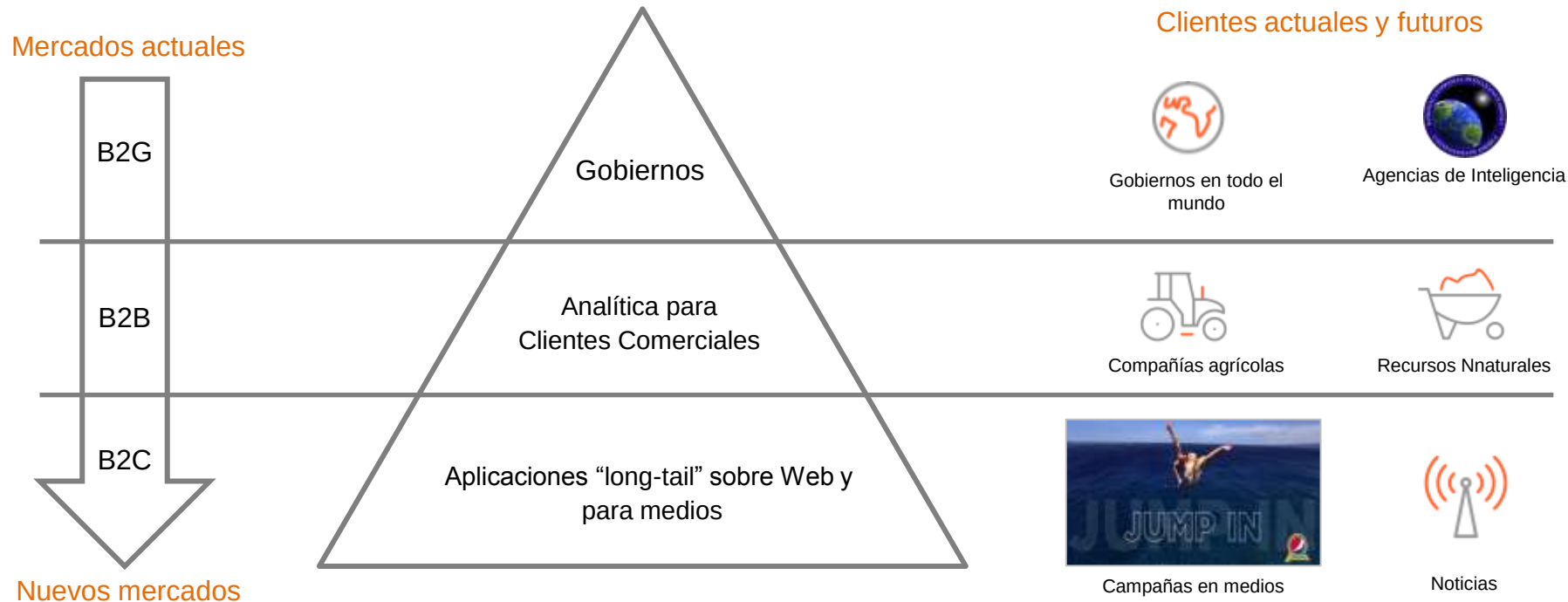
Inteligencia



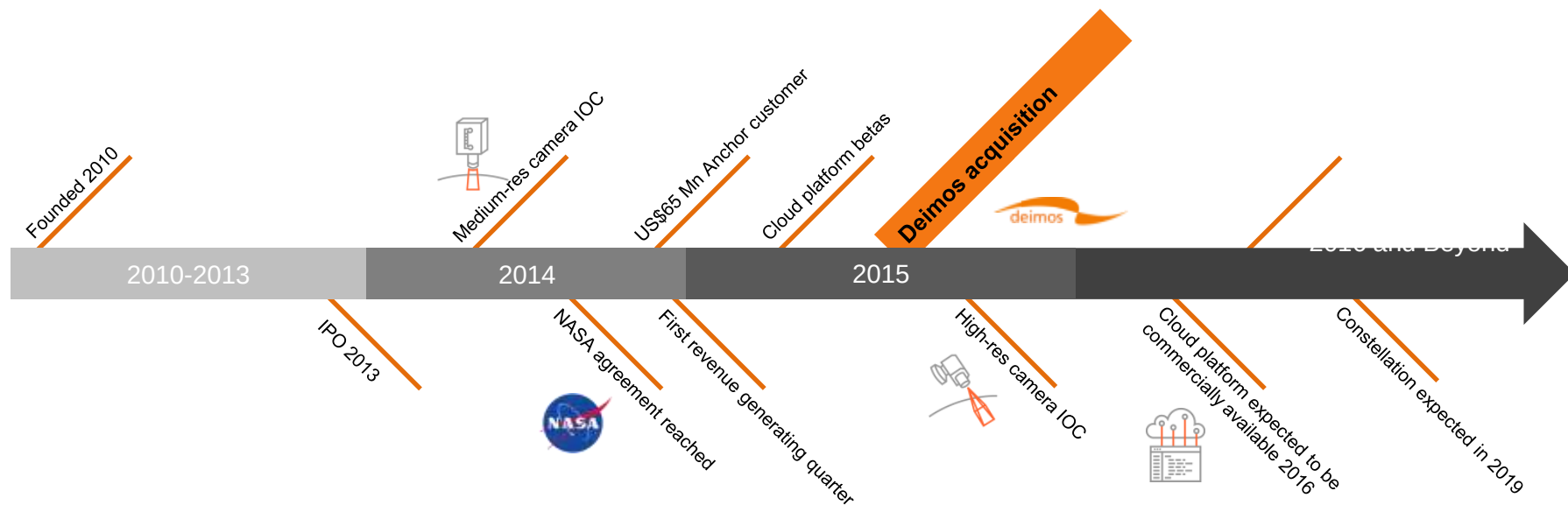
Defensa

# UrtheCast abriendo nuevos mercados en EO

La combinación de capacidades permite dar mejor servicio a los clientes actuales y desbloquear nuevos mercados

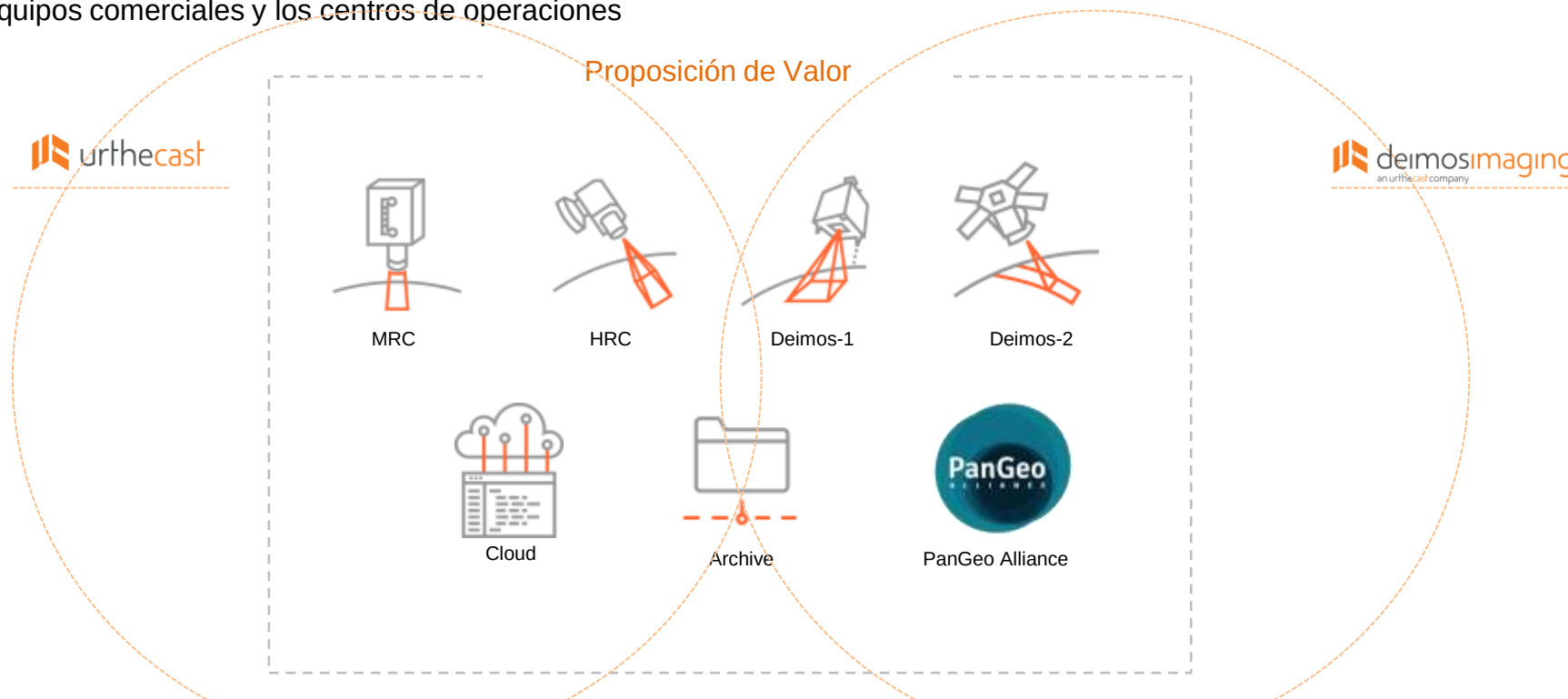


# Una trayectoria reconocida de innovación



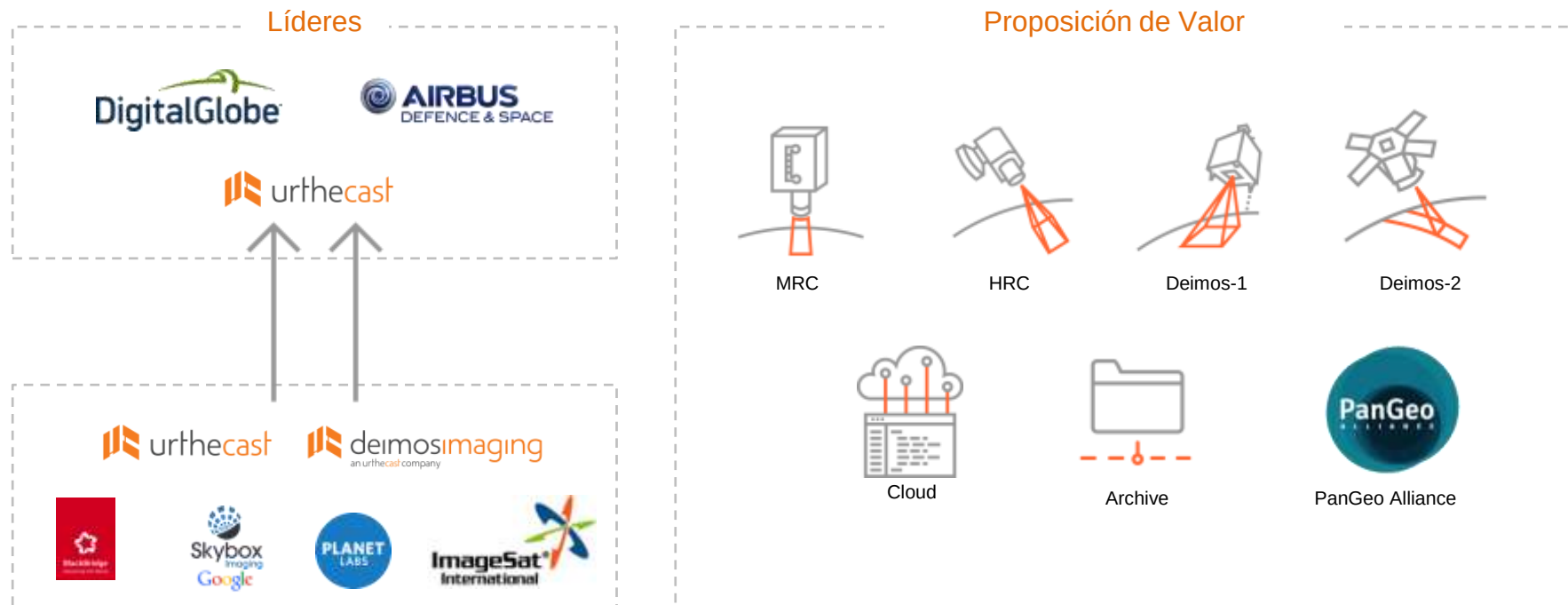
# Deimos Imaging – Una compañía 100% española operando su propia flota de satélites

UrtheCast Imaging, filial española de UrtheCast Corp, es la propietaria de los satélites Deimos-1 y Deimos-2 y gestiona los equipos comerciales y los centros de operaciones



# Líder independiente en EO con un coste/rendimiento disruptivo

La adquisición de Deimos hace posible el primer proveedor independiente que entra en el grupo de los líderes











Brisbane - Australia

















deimosimaging

an urthe company



Slash and burn, Mato Grosso, Brasil - 17 September 2015, DEIMOS-1 22m False-Colour (R, G, NIR) Image

© Deimos Imaging, 2015

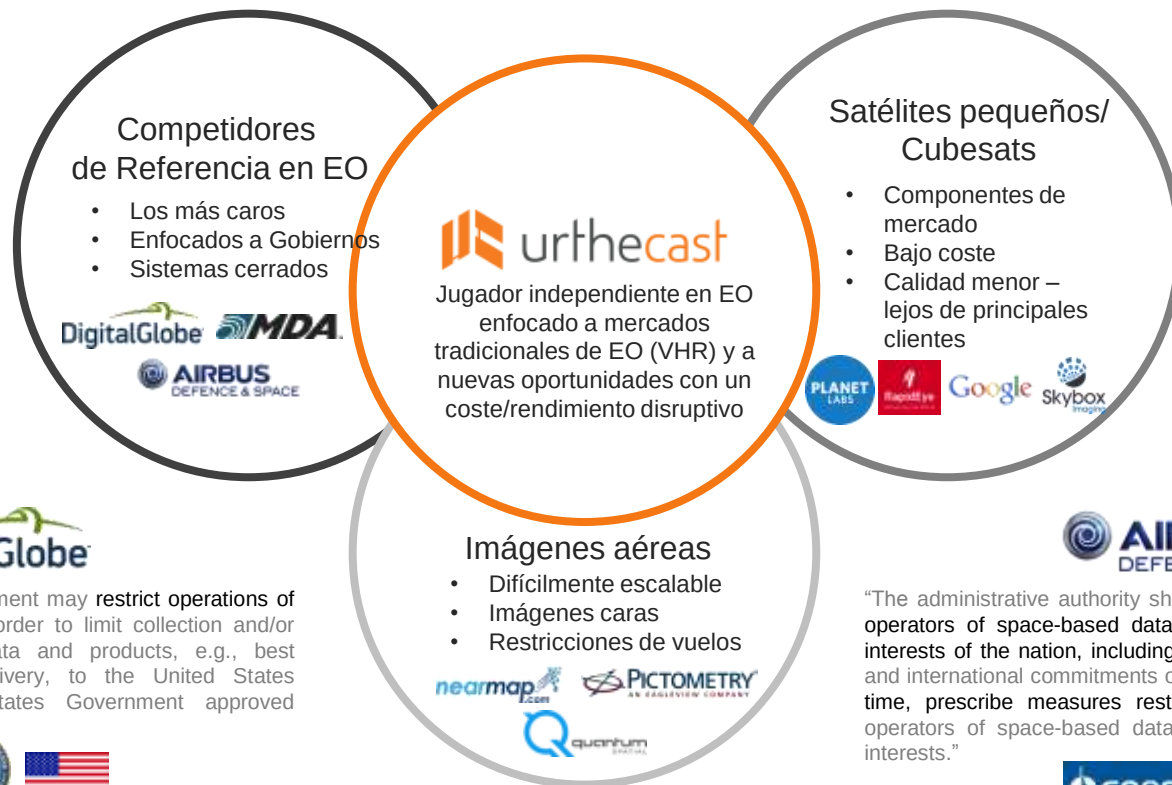






# Video Iris

# Posición competitiva única y sostenible



"...the United States Government may restrict operations of the commercial systems in order to limit collection and/or dissemination of certain data and products, e.g., best resolution, most timely delivery, to the United States Government, or United States Government approved recipients."



"The administrative authority shall ensure the activity of primary operators of space-based data do not affect the fundamental interests of the nation, including national defense, foreign policy and international commitments of France. As such, it may, at any time, prescribe measures restricting the activities of primary operators of space-based data necessary to safeguard those interests."





# La más amplia gama de sensores ópticos



## Iris

### Producto de vídeo

|                 |                                        |
|-----------------|----------------------------------------|
| Pixel Size      | 1m                                     |
| Full frame size | 5.7 km x 3.8 km                        |
| Frame rate      | 30FPS                                  |
| Video formats   | HD video (H.264)<br>4K UHD (3840x2160) |
| Spectral bands  | (Red Green Blue)                       |
| Video duration  | Up to 90 s                             |



## Deimos 1

### Especificaciones de cámara

|              |                                             |
|--------------|---------------------------------------------|
| Pixel Size   | 22 m                                        |
| Swath size   | 650 km                                      |
| Revisit time | 3 days average worldwide<br>1 day at 45 Lat |



## Theia

### Producto de imagen multispectral

|                |                                                   |
|----------------|---------------------------------------------------|
| Pixel Size     | 5.0 m                                             |
| Swath width    | 49.4 km (at equator)<br>to 54.5 km (max latitude) |
| Spectral bands | Blue, Green, Red, NIR                             |

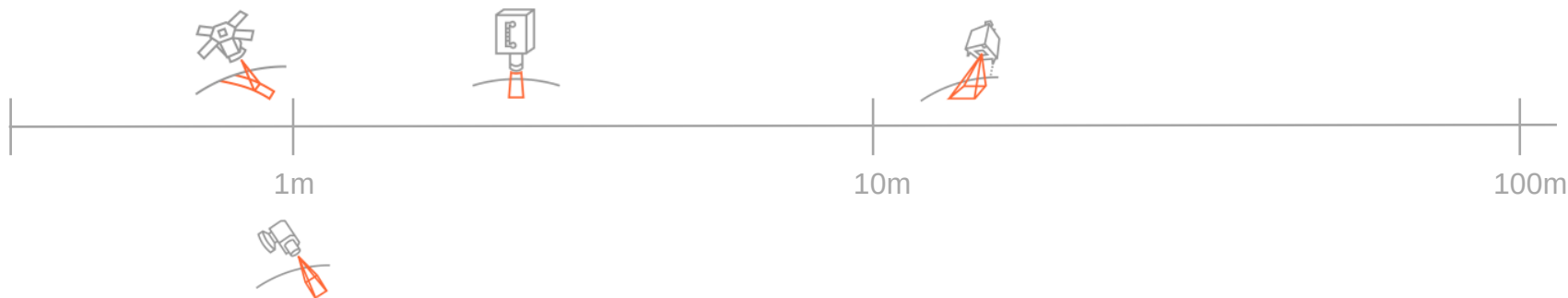


## Deimos 2

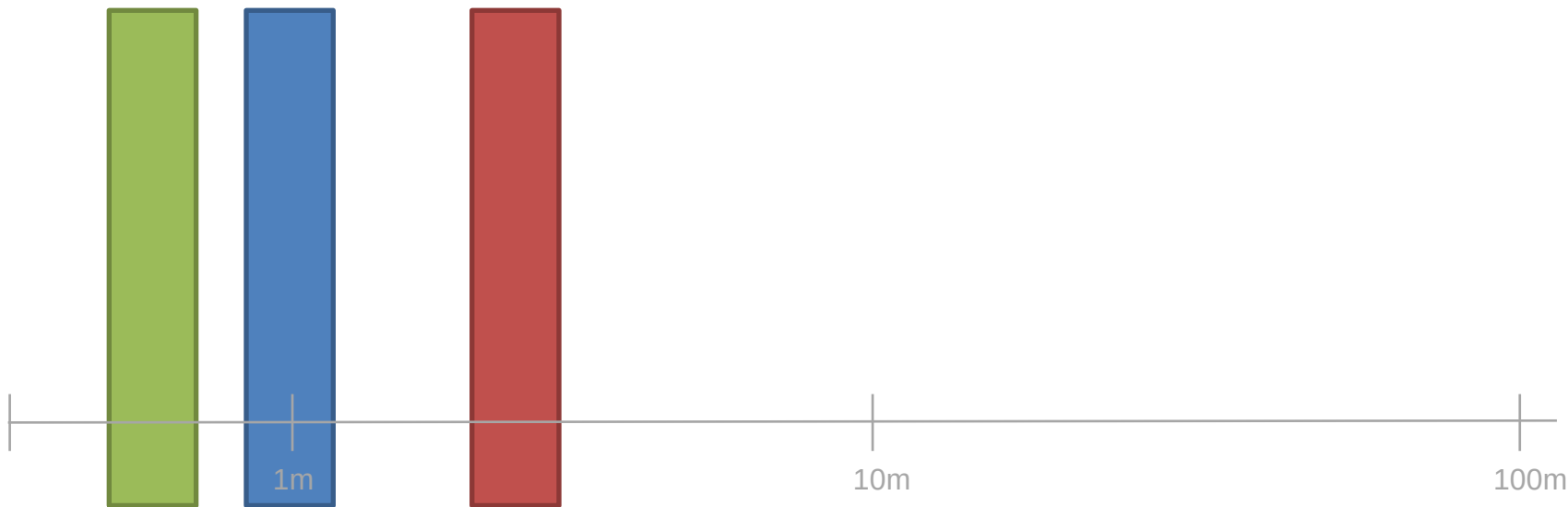
### Especificaciones de cámara

|              |                                                                        |
|--------------|------------------------------------------------------------------------|
| Pixel Size   | 75-cm pan-sharpened imagery                                            |
| Swath size   | 3 m multispectral<br>12 km at nadir                                    |
| Revisit time | 24 km in Wide Area Mode<br>2 days average worldwide<br>1 day at 45 Lat |

# La más amplia gama de sensores ópticos

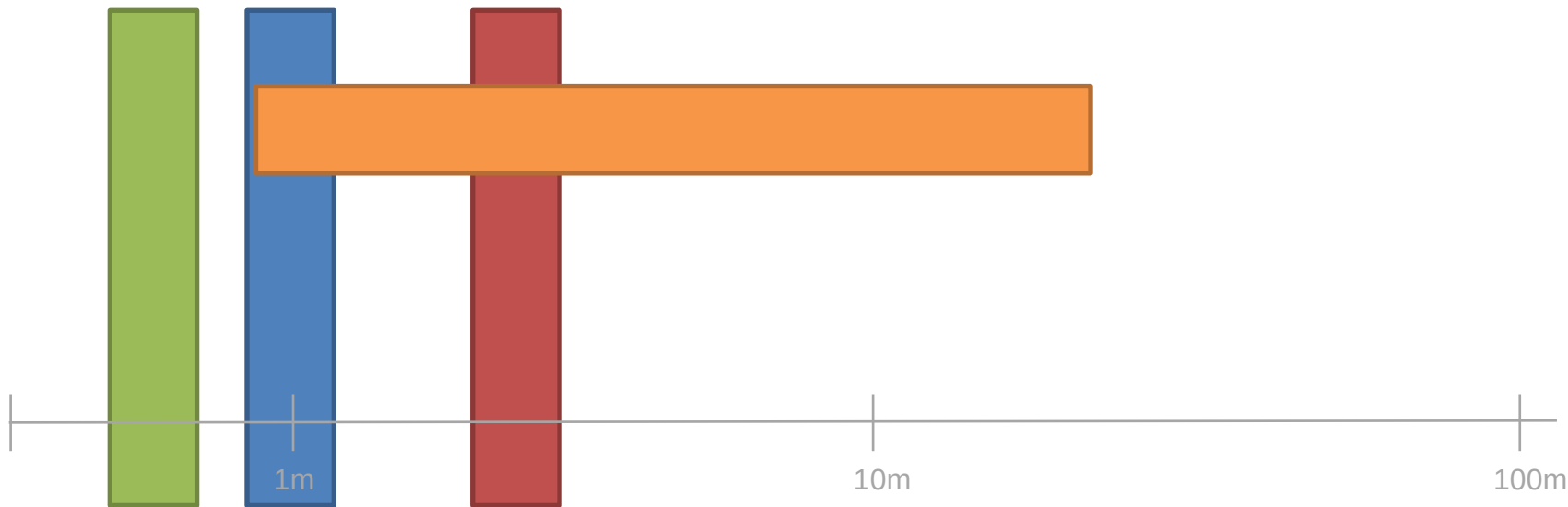


# La más amplia gama de sensores ópticos





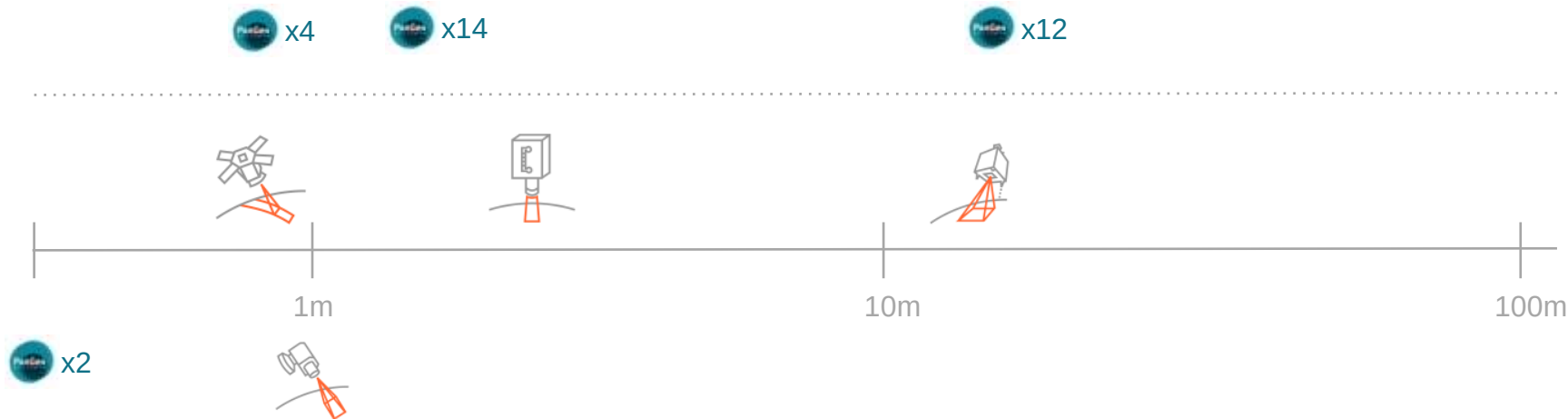
# La más amplia gama de sensores ópticos



# Socios de Pangeo

| <div><div>9 satellites now<br/>&gt;20 to be launched</div><div>Medium Resolution<br/>1 satellite in orbit<br/>&gt;10 to be launched</div><div>High Resolution<br/>3 satellites in orbit<br/>&gt;10 to be launched</div><div>Very High Resolution<br/>2 satellites in orbit<br/>2 to be launched</div><div>AIS<br/>3 satellites in orbit</div></div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                     | Deimos 1                                                                          | Landmapper BC                                                                     | Landmapper HD                                                                     | DubaiSat 1                                                                        | TH-1                                                                              | Deimos 2                                                                           | DubaiSat 2                                                                          | KhalifaSat                                                                          | TeLeos 1                                                                            | DX-1                                                                                | Perseus M                                                                           |
|                                                                                                                                                                                                                                                                                                                                                     | Deimos Imaging                                                                    | Aquila Space                                                                      | Aquila Space                                                                      | MBRSC                                                                             | BSEI                                                                              | Deimos Imaging                                                                     | MBRSC                                                                               | MBRSC                                                                               | ST Electronics                                                                      | Dauria                                                                              | Aquila Space                                                                        |
| Country                                                                                                                                                                                                                                                                                                                                             | Spain                                                                             | US                                                                                | US                                                                                | UAE                                                                               | China                                                                             | Spain                                                                              | UAE                                                                                 | UAE                                                                                 | Singapore                                                                           | Russia                                                                              | US                                                                                  |
| Type                                                                                                                                                                                                                                                                                                                                                | Optical MR                                                                        | Optical MR                                                                        | Optical HR                                                                        | Optical HR                                                                        | Optical HR                                                                        | Optical VHR                                                                        | Optical VHR                                                                         | Optical VHR                                                                         | Optical VHR                                                                         | AIS                                                                                 | AIS                                                                                 |
| Launch                                                                                                                                                                                                                                                                                                                                              | 2009                                                                              | 2016                                                                              | 2017                                                                              | 2009                                                                              | 2010, 2012                                                                        | 2014                                                                               | 2013                                                                                | 2017                                                                                | 2016                                                                                | 2014                                                                                | 2014                                                                                |
| Local time AN                                                                                                                                                                                                                                                                                                                                       | 10:30                                                                             | 10:30                                                                             | 10:30                                                                             | 10:30                                                                             | 22:00                                                                             | 10:30                                                                              | 22:00                                                                               | 22:00                                                                               | Equatorial                                                                          | 10:30                                                                               | 10:30                                                                               |
| Lifetime                                                                                                                                                                                                                                                                                                                                            | 10 years                                                                          | >5 years                                                                          | >5 years                                                                          | >5 years                                                                          | 7 years                                                                           | 7 years                                                                            | 7 years                                                                             | 7 years                                                                             | >5 years                                                                            | >5 years                                                                            | >5 years                                                                            |
| Agility                                                                                                                                                                                                                                                                                                                                             | -                                                                                 | ±25°                                                                              | ±25°                                                                              | ±45°                                                                              | ±30°                                                                              | ±45°                                                                               | ±45°                                                                                | ±45°                                                                                | ±45°                                                                                | -                                                                                   | -                                                                                   |
| Spatial Resolution                                                                                                                                                                                                                                                                                                                                  | 20 m                                                                              | 20 m                                                                              | 2.5 m                                                                             | 2.5 m                                                                             | 2.0 m                                                                             | 75 cm                                                                              | 1.0 m                                                                               | 70 cm                                                                               | 1.0 m                                                                               | -                                                                                   | -                                                                                   |
| Spectral Bands                                                                                                                                                                                                                                                                                                                                      | 3                                                                                 | 3                                                                                 | 5                                                                                 | Pan + 4                                                                           | Pan + 4                                                                           | Pan + 4                                                                            | Pan + 4                                                                             | Pan + 4                                                                             | Pan                                                                                 | -                                                                                   | -                                                                                   |
| Swath                                                                                                                                                                                                                                                                                                                                               | 650 km                                                                            | 220 km                                                                            | 25 km                                                                             | 20 km                                                                             | 60 km                                                                             | 12 / 24 km                                                                         | 12 / 24 km                                                                          | 16 km                                                                               | 12 km                                                                               | -                                                                                   | -                                                                                   |
| Satellites                                                                                                                                                                                                                                                                                                                                          | 1                                                                                 | 12                                                                                | 12                                                                                | 1                                                                                 | 2                                                                                 | 1                                                                                  | 1                                                                                   | 1                                                                                   | 1                                                                                   | 1                                                                                   | 2                                                                                   |

# En colaboración con los socios de Pangeo

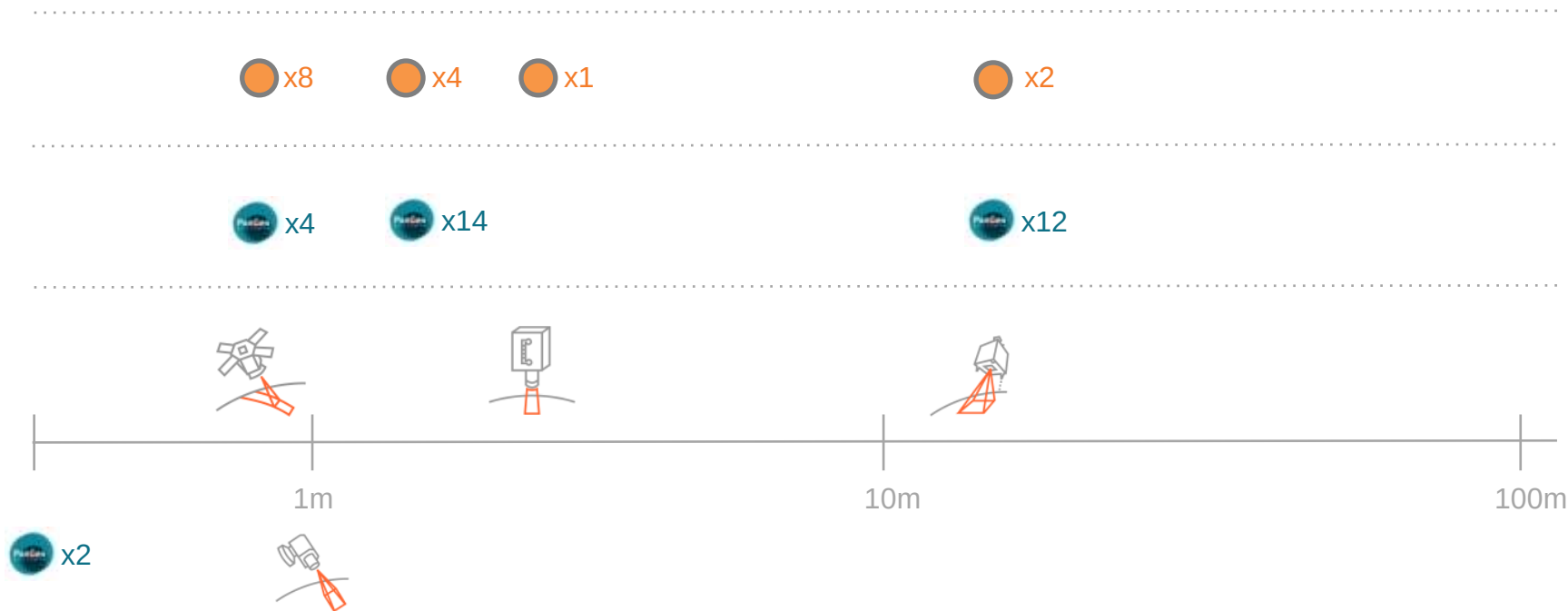




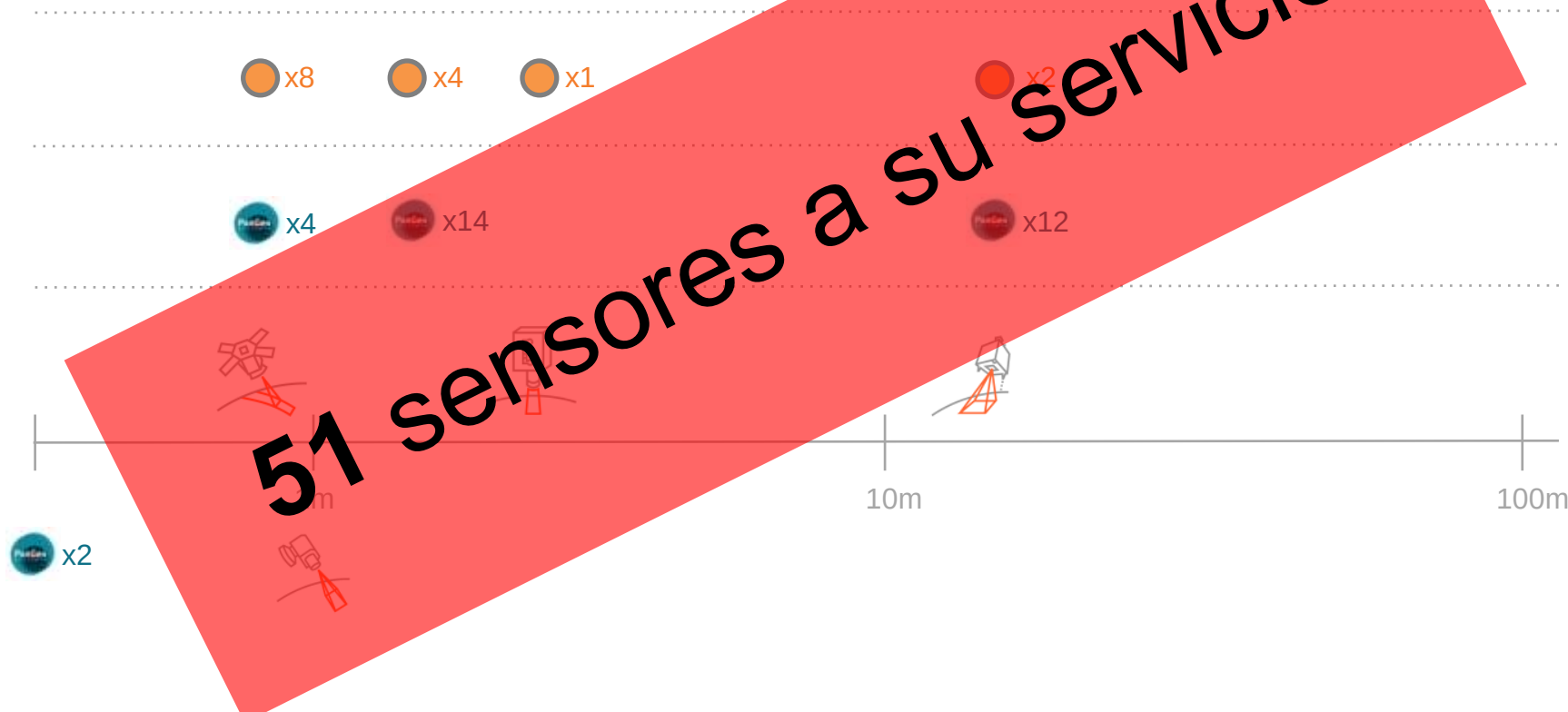
# Abiertos a colaboración con otros operadores

|                    | Medium Resolution<br>3 satellites in orbit                                        |                                                                                   |                                                                                   | High Resolution<br>5 satellites in orbit<br>1 to be launched                      |                                                                                   |                                                                                   |                                                                                    | Very High Resolution<br>8 satellites in orbit                                       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | UK-DMC2<br>DMCH                                                                   | GaoFen 1<br>BSEI                                                                  | KazEOSat 2<br>KGS                                                                 | GaoFen 1<br>BSEI                                                                  | ZY-3<br>BSEI                                                                      | Formosat 2<br>NPSO                                                                | Formosat 5<br>NPSO                                                                 | KazEOSat 1<br>KGS                                                                   | Komsat 2<br>SIS                                                                     | Triplesat<br>Z1AT                                                                   | GaoFen 2<br>BSEI                                                                    | Komsat 3<br>SIS                                                                     | Komsat 3A<br>SIS                                                                    |
| Country            | UK                                                                                | China                                                                             | Kazakhstan                                                                        | China                                                                             | China                                                                             | Taiwan                                                                            | Taiwan                                                                             | Kazakhstan                                                                          | South Korea                                                                         | China                                                                               | China                                                                               | South Korea                                                                         | South Korea                                                                         |
| Type               | Optical MR                                                                        | Optical HR                                                                        | Optical MR                                                                        | Optical HR                                                                        | Optical HR                                                                        | Optical HR                                                                        | Optical HR                                                                         | Optical VHR                                                                         | Optical VHR                                                                         | Optical VHR                                                                         | Optical VHR                                                                         | Optical VHR                                                                         | Optical VHR                                                                         |
| Launch             | 2009                                                                              | 2013                                                                              | 2014                                                                              | 2013                                                                              | 2012                                                                              | 2004                                                                              | 2016                                                                               | 2014                                                                                | 2006                                                                                | 2015                                                                                | 2014                                                                                | 2012                                                                                | 2015                                                                                |
| Local time AN      | 10:30                                                                             | 22:30                                                                             | 10:30                                                                             | 22:30                                                                             | 22:30                                                                             | 22:00                                                                             | 22:00                                                                              | 22:30                                                                               | 10:50                                                                               | 10:30                                                                               | 22:30                                                                               | 13:30                                                                               | 10:50                                                                               |
| Lifetime           | 10 years                                                                          | 8 years                                                                           | 7 years                                                                           | 8 years                                                                           | 5 years                                                                           | >10 years                                                                         | 5 years                                                                            | 7 years                                                                             | >7 years                                                                            | 7 years                                                                             | 7 years                                                                             | >5 years                                                                            | >5 years                                                                            |
| Agility            | -                                                                                 | ±35°                                                                              | ±35°                                                                              | ±35°                                                                              | ±32°                                                                              | ±45°                                                                              | ±45°                                                                               | ±35°                                                                                | ±45°                                                                                | ±45°                                                                                | ±45°                                                                                | ±45°                                                                                | ±45°                                                                                |
| Spatial Resolution | 20 m                                                                              | 16 m                                                                              | 5 m                                                                               | 2.0 m                                                                             | 2.0 m                                                                             | 2.0 m                                                                             | 2.0 m                                                                              | 1.0 m                                                                               | 1.0 m                                                                               | 1.0 m                                                                               | 80 cm                                                                               | 70 cm                                                                               | 55 cm                                                                               |
| Spectral Bands     | 3                                                                                 | 4                                                                                 | 5                                                                                 | Pan + 4                                                                           | Pan + 4                                                                           | Pan + 4                                                                           | Pan + 4                                                                            | Pan + 4                                                                             | Pan + 4                                                                             | Pan + 4                                                                             | Pan + 4                                                                             | Pan + 4                                                                             | Pan + 4                                                                             |
| Swath              | 650 km                                                                            | 800 km                                                                            | 77 km                                                                             | 70 km                                                                             | 50 km                                                                             | 24 km                                                                             | 24 km                                                                              | 20 km                                                                               | 15 km                                                                               | 20 km                                                                               | 48 km                                                                               | 16 km                                                                               | 16 km                                                                               |
| Satellites         | 1                                                                                 | 1                                                                                 | 1                                                                                 | 1                                                                                 | 1                                                                                 | 1                                                                                 | 1                                                                                  | 1                                                                                   | 1                                                                                   | 3                                                                                   | 1                                                                                   | 1                                                                                   | 1                                                                                   |

# Abiertos a colaboración con otros operadores



# Abiertos a colaboración con otros operadores



# Estrategia – corto y medio plazo

Deimos acelera la estrategia de Urthecast y su tiempo de llegada al mercado



## Iris

### Producto de vídeo

|                 |                                        |
|-----------------|----------------------------------------|
| Pixel Size      | 1m                                     |
| Full frame size | 5.7 km x 3.8 km                        |
| Frame rate      | 30FPS                                  |
| Video formats   | HD video (H.264)<br>4K UHD (3840x2160) |
| Spectral bands  | (Red Green Blue)                       |
| Video duration  | Up to 90 s                             |



## Deimos 1

### Especificaciones de cámara

|              |                                             |
|--------------|---------------------------------------------|
| Pixel Size   | 22 m                                        |
| Swath size   | 650 km                                      |
| Revisit time | 3 days average worldwide<br>1 day at 45 Lat |



## Theia

### Producto de imagen multispectral

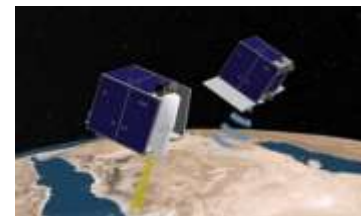
|                |                                                   |
|----------------|---------------------------------------------------|
| Pixel Size     | 5.0 m                                             |
| Swath width    | 49.4 km (at equator)<br>to 54.5 km (max latitude) |
| Spectral bands | Blue, Green, Red, NIR                             |



## Deimos 2

### Especificaciones de cámara

|              |                                                                |
|--------------|----------------------------------------------------------------|
| Pixel Size   | 75-cm pan-sharpened imagery                                    |
| Swath size   | 3 m multispectral<br>12 km at nadir<br>24 km in Wide Area Mode |
| Revisit time | 2 days average worldwide<br>1 day at 45 Lat                    |



Satélites de Constelación Gen-3  
(SAR y Óptico)  
Negociaciones en marcha  
Financiado por el cliente



PanGeo Alliance  
4 operadores; 9 satélites



2015-Dec-04 17:23:56 UTC

week48 Dec-2015 | week49 Dec-2015 | week50 Dec-2015 | week51 Dec-2015 | week52 Dec-2015 | week1 Jan-2016  
2015-Dec-04 17:23:56

Lat : 38.6852  
Lon : -106.0723  
MLST : 10:19:39  
SZA : 64.36 deg  
Range : 4362.2 km  
Altitude : 4362.2 km  
Height : 2485 meters  
Intersection Mode ON  
Auto Steering ON, Max Area

# Deimos-1



2015-Dec-03 18:31:41 UTC

week48 Dec-2015 | week49 Dec-2015 | week50 Dec-2015 | week51 Dec-2015 | week52 Dec-2015 | week1 Jan-2016  
2015-Dec-03 18:31:41

Lat : 37.5639  
Lon : -127.5807  
MLST : 10:01:22  
SZA : 64.75 deg  
Range : 4362.2 km  
Altitude : 4362.2 km  
Height : 0 meters  
Intersection Mode ON  
Auto Steering ON, Max Area

# Deimos-2



2015-Dec-03 18:31:41 UTC

Week49 Dec-2015 | week49 Dec-2015 | week50 Dec-2015 | week51 Dec-2015 | week52 Dec-2015 | week1 Jan-2016  
2015-Dec-03 18:31:41

Lat : 35.8792  
Lon : -110.4113  
MLST : 11:10:03  
SZA : 58.59 deg  
Range : 4362.2 km  
Altitude : 4362.2 km  
Height : 1877 meters  
Intersection Mode ON  
Auto Steering ON, Max Area

# Iris y Theia





2015-Dec-03 18:31:41 UTC

Week48 Dec-2015 | week49 Dec-2015 | week50 Dec-2015 | week51 Dec-2015 | week52 Dec-2015 | week1 Jan-2016  
2015-Dec-03 18:31:41

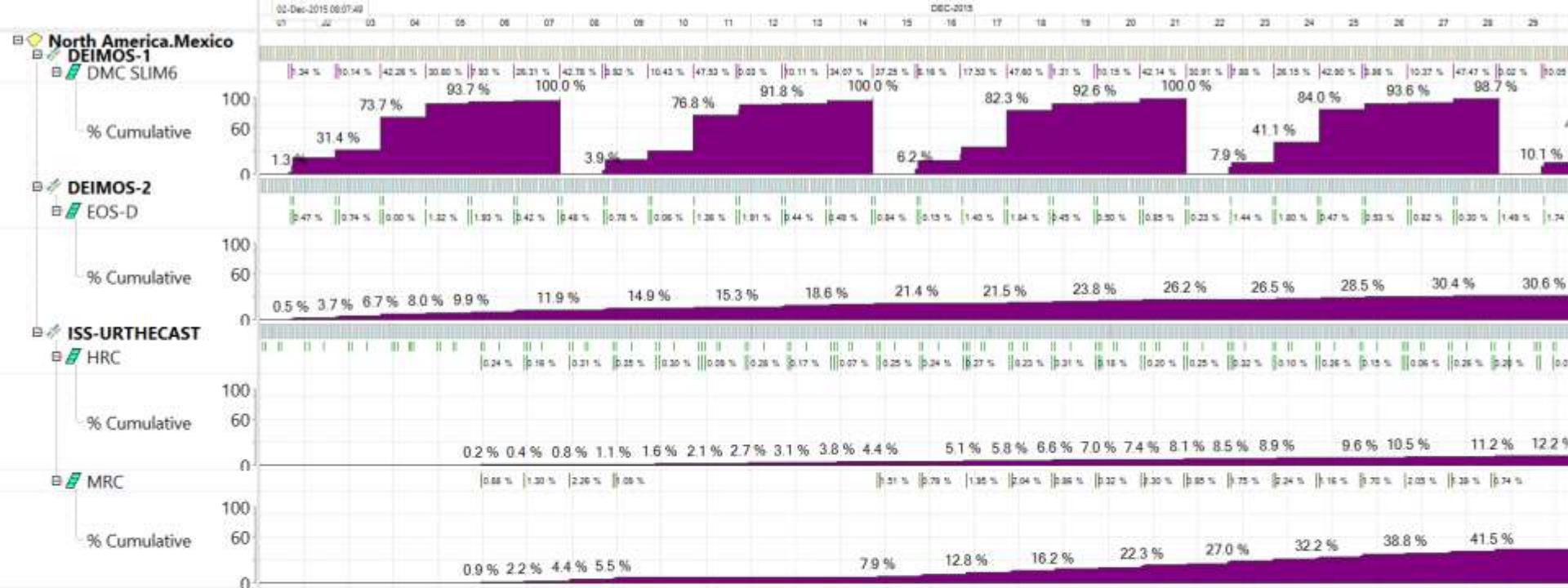
Lat : 33.1890  
Lon : -120.6612  
MLST : 10:29:03  
SZA : 58.41 deg  
Range : 4362.2 km  
Altitude : 4362.2 km  
Height : 0 meters  
Intersection Mode ON  
Auto Steering ON, Max Area

# Cobertura Total



DEIMOS-1





# Cobertura Total

# Estrategia – corto y medio plazo

Deimos acelera la estrategia de Urthecast y su tiempo de llegada al mercado



## Iris

### Producto de vídeo

|                 |                                        |
|-----------------|----------------------------------------|
| Pixel Size      | 1m                                     |
| Full frame size | 5.7 km x 3.8 km                        |
| Frame rate      | 30FPS                                  |
| Video formats   | HD video (H.264)<br>4K UHD (3840x2160) |
| Spectral bands  | (Red Green Blue)                       |
| Video duration  | Up to 90 s                             |



## Deimos 1

### Especificaciones de cámara

|              |                                             |
|--------------|---------------------------------------------|
| Pixel Size   | 22 m                                        |
| Swath size   | 650 km                                      |
| Revisit time | 3 days average worldwide<br>1 day at 45 Lat |



## Theia

### Producto de imagen multispectral

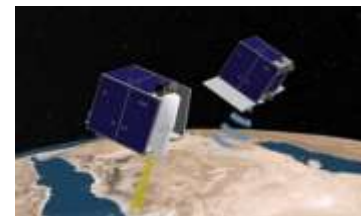
|                |                                                   |
|----------------|---------------------------------------------------|
| Pixel Size     | 5.0 m                                             |
| Swath width    | 49.4 km (at equator)<br>to 54.5 km (max latitude) |
| Spectral bands | Blue, Green, Red, NIR                             |



## Deimos 2

### Especificaciones de cámara

|              |                                                                |
|--------------|----------------------------------------------------------------|
| Pixel Size   | 75-cm pan-sharpened imagery                                    |
| Swath size   | 3 m multispectral<br>12 km at nadir<br>24 km in Wide Area Mode |
| Revisit time | 2 days average worldwide<br>1 day at 45 Lat                    |



Satélites de Constelación Gen-3  
(SAR y Óptico)  
Negociaciones en marcha  
Financiado por el cliente



PanGeo Alliance  
4 operadores; 9 satélites

# Video Constelación



# Stand 6

Carlos Fernández de la Peña  
[cfernandez@urthecast.com](mailto:cfernandez@urthecast.com)  
VP of Sales

Aurelio Martí  
[aurelio.marti@deimos-imaging.com](mailto:aurelio.marti@deimos-imaging.com)  
Key Account Manager





# El Niño





# Gracias

Carlos Fernández de la Peña  
[cfernandez@urthecast.com](mailto:cfernandez@urthecast.com)  
VP of Sales

Aurelio Martí  
[Aurelio.marti@deimos-imaging.com](mailto:Aurelio.marti@deimos-imaging.com)  
Key Account Manager



