



The World Since COMSAT

A day that shall live in infamy – December 7, 2001

Lockheed Martin announces demise of LMGT

On December 7, 2001, Lockheed Martin announced plans to exit its Global Telecommunications services business, disbanding the wholly owned LMGT subsidiary and immediately implementing actions to reassign certain of LMGT's businesses and investments to other operating segments of Lockheed Martin, sell the remaining operations, position investments for monetization, and eliminate the LMGT administrative structure.

Where Are They Now?

COMSAT World Systems – Intelsat

COMSAT General – Intelsat

COMSAT Labs – Viasat

COMSAT International – Acquired by World Data Corp in 2002, sold to BT Group in 2007

But the beat goes on

COMSAT Mobile – Telenor, France Telecom, Airbus Defence and Space Government, Satcom Direct

Following which, in 2016, after Satcom Direct Communications acquires Airbus Defence and Space Government, it changes its name to COMSAT, Inc., which is now located at:

**2550 Wasser Terrace, Suite 6000
Herndon, Virginia 20171**

How the Industry Has Changed

More satellites than ever

- Big and small
- HTS (high throughput satellites)
- Broadband for all
- O3B – the other three billion (Greg Wyler)

Consolidation, consolidation, consolidation

- Intelsat acquiring World Systems and COMSAT General, Loral Skynet and PanAmSat

- SES acquiring New Skies, O3B
- Inmarsat acquiring Stratos

Money, Money, Money

- Private equity
- Export credit agencies: US (Exim); France (COFACE/BPIFrance); Canada (EDC); other countries as well (former COMSAT employee now on Exim Board of Governors (Judy Prior))
- The billionaire express/people: Elon Musk; Jeff Bezos; Richard Branson; Charlie Ergen
- The billionaire express/companies: Facebook, Google, Softbank

Physics of the Satellite Business

Spectrum Wars

- Where has all the C-Band Gone? -- The FCC and C-band repurposing

Low Earth Orbit is Hot Again

- OneWeb and its progeny

The Kids Are All Right?

Inmarsat

- Private equity, expansion and survival
- Inmarsat Express – expansion into Ka-Band
- Distinction between mobile and fixed services erodes

Intelsat

- Private equity, expansion and collapse
- May 13, 2020 – Intelsat and 33 subsidiaries file for Chapter 11 Protection
- A very strange bankruptcy indeed

What the next 20 years will bring?

- Mars and beyond
- Colonization of the moon
- Mining in space