

TECHNOLOGY: A WORD OF CAUTION

Presented by:
Philip Baum
Managing Director, Green Light Ltd.

ICAO, Montreal, 21 October 2014



GREEN LIGHT LTD.
AVIATION SECURITY TRAINING &
CONSULTANCY

THE LIMITATIONS OF TECHNOLOGY

© 21 DECEMBER 1988



© 22 DECEMBER 2001



© 25 DECEMBER 2009



© 29 MAY 2003



© 25 DECEMBER 2009



© 29 OCTOBER 2010





THE REAL QUESTION

**ARE WE MORE LIKELY TO PREVENT AN
ATROCITY TODAY THAN WE WERE
13 YEARS AGO?**



MEASUREMENTS OF SUCCESS

- ◎ BAGS PER HOUR
- ◎ PASSENGERS PER HOUR
- ◎ TIP SCORES
- ◎ PASSENGER SATISFACTION
- ◎ ...OR CRIMINAL ACTS IDENTIFIED?



THE VALUE OF HUMAN INTERVENTION SHOWN ON...

© 17 APRIL 1986



© 21 DECEMBER 2001



© 25 DECEMBER 2009



© 29 OCTOBER 2010





BUT WE CAN'T HAVE A SYSTEM
BUILT ON GUT FEELINGS...

◎ CUSTOMS DO

◎ IMMIGRATION DO

◎ QUARANTINE DO

◎ POLICE DO

...SO WHY CAN'T WE?



- ◎ COUNTER-TERRORISM?
- ◎ A PROCESS FOR PREVENTING **ANY** UNLAWFUL ATTACK AGAINST CIVIL AVIATION

- ◎ 6,004 REPORTED INCIDENTS IN 2011;
- ◎ 5,220 REPORTED INCIDENTS IN 2012;
- ◎ PRELIMINARY DATA FOR 2013:
8,217 UNRULY PASSENGER REPORTS





COCKPIT LASER ILLUMINATION

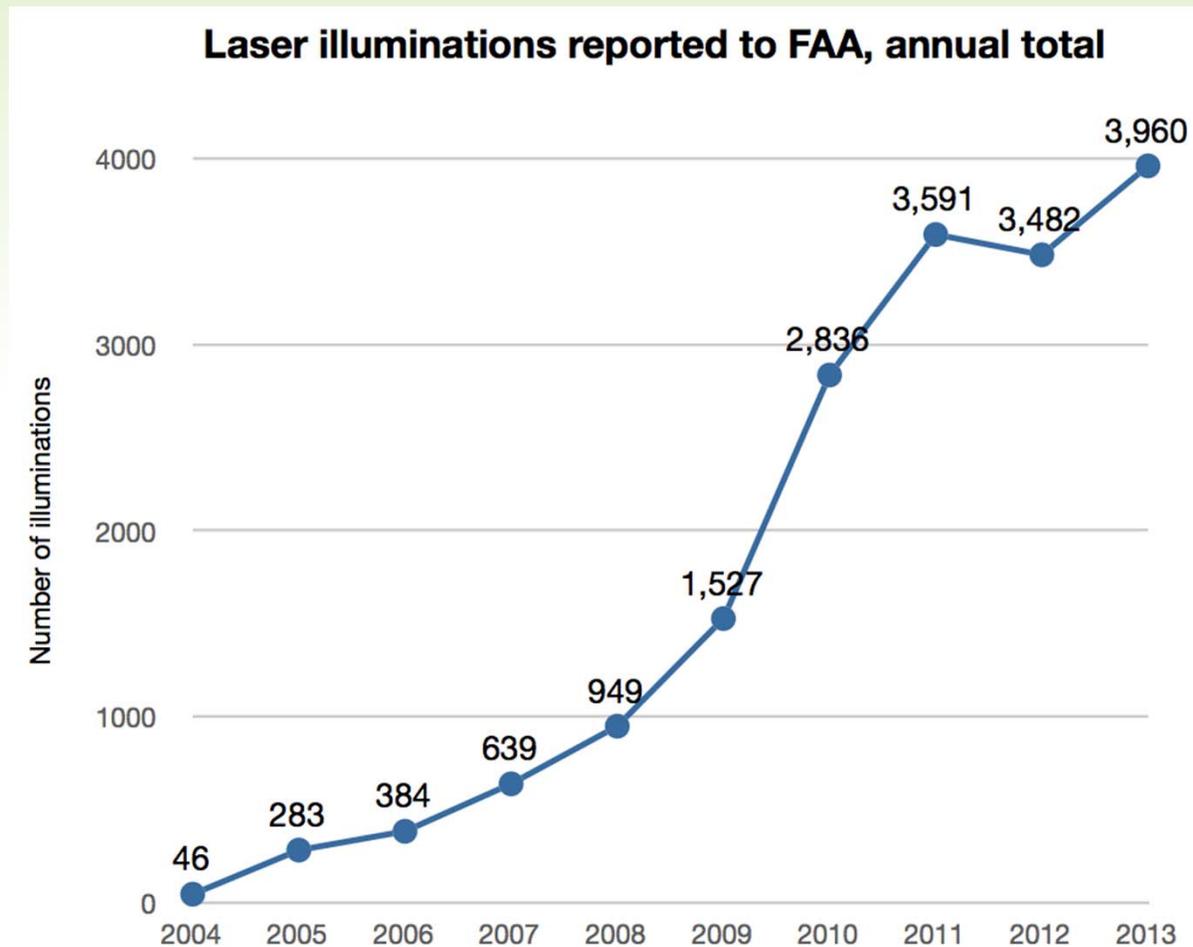


A TRULY GLOBAL PROBLEM



◎ 2012: 3,482 INCIDENTS REPORTED

◎ 2013: 3,960 INCIDENTS REPORTED





◎ CANADA: 461 (2013)

◎ EIRE: 158 (2013)

◎ NEW ZEALAND: 116 (2013)

◎ UK:

◎ 2009 746

◎ 2010 1500

◎ 2011 1912

◎ 2012 1571

◎ 2013 1394

◎ 2014 510 (to Aug)

◎ GERMANY: 261 (2012)

◎ AUSTRALIA: 733 (2011)

9 SEPTEMBER 2012: EAST SHEEN

© BODY LANDED IN
RESIDENTIAL STREET
JUST AFTER 0730 ON
THE SUNDAY MORNING



© BODY PARTS OVER THE
ROAD

© YOUNG MALE WITH
ANGOLAN CURRENCY

© BELIEVED TO BE A
STOWAWAY ON BA
FLIGHT FROM LUANDA





**JUST ASK THE AIRPORT POLICE HOW
SERIOUS A THREAT THIS IS!**

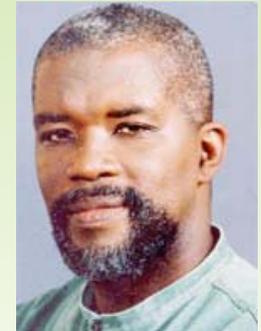


11 APRIL 1955: AIR INDIA
HONG KONG-JAKARTA

- ◎ EXPLOSION CAUSED FIRE;
CRASHED: NATUNA ISLANDS
- ◎ ATTEMPTED ASSASSINATION OF CHINESE
PREMIER ZHOU ENLAI
- ◎ CHOW-TSE MING, A/C
CLEANER, INFILTRATED
DEVICE; FLED TO
TAIWAN
- ◎ KUOMINTANG (TAIWAN) HELD RESPONSIBLE



- © 2007: JFK PLOT TO BLOW UP FUEL FARMS & PIPELINES (former CARGO HANDLER)
- © 2009/10: RAJIB KARIM (Call Centre Computer Technician)
- © 2013: TERRY LEE LOEWEN (A TECHNICIAN) TRIES TO DRIVE A VEHICLE WHICH HE BELIEVES IS LADEN WITH EXPLOSIVES INTO A TERMINAL BUILDING





16 JANUARY 2012:

EL AL ISRAEL AIRLINES

⊙ OXOMAR SHUTS DOWN EL AL WEBSITE

⊙ a.k.a. "THE SAUDI HACKER"

⊙ ALSO INFORMATION PAGE OF TEL AVIV STOCK EXCHANGE

⊙ BLOCKED; NOT CONTROLLED





18 AUGUST 2014:
JAPAN AIRLINES

- ◎ DATA TRANSFERRED TO A SERVER IN HONG KONG
- ◎ NOT IDENTIFIED UNTIL SEPTEMBER
- ◎ DATA FOR 190,000 MEMBERS STOLEN



**1.8kg Cocaine in breast implants of
28-year-old woman from Panama**



PHILIP BAUM

Managing Director,
Green Light Ltd.
& Editor,

Aviation Security International

editor@avsec.com