

Team

Tom Walkinshaw, Founder/CEO HP Project Management,



Conor Forde, Technical Worked at Nanosatisfi/Spire Global, Worked on 4 satellites that got launched



£150k

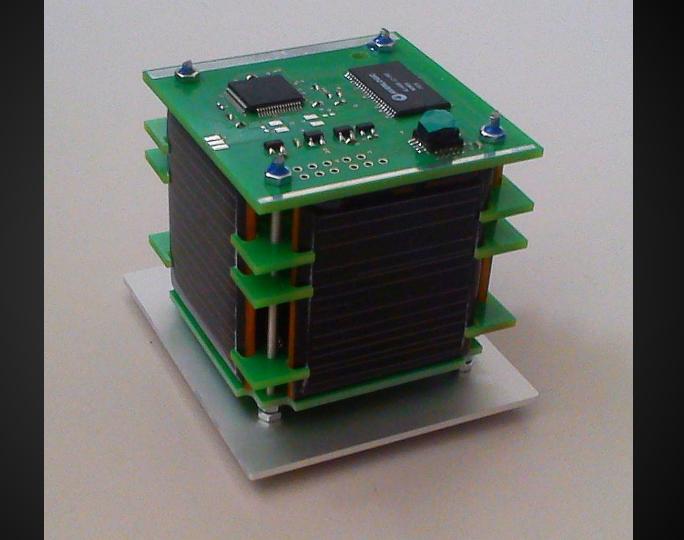
- Nearly Order of Magnitude drop from Cubesat Platform
- Minimum Viable Satellite, low power and data, but gets to orbit
- Off the shelf boards and subsystems

PocketQube Standard

- 5cm standard cube
- Deploys from a pod
- Pod uses Tabs over rails for more mass per unit = spacecraft are more dense
- Envelope allows more ambitious deployable solar panels, potentially Quads or Quintuple deployables i.e. more power

First Generation PocketQube's

WREN 1p



\$50sat 1.5p

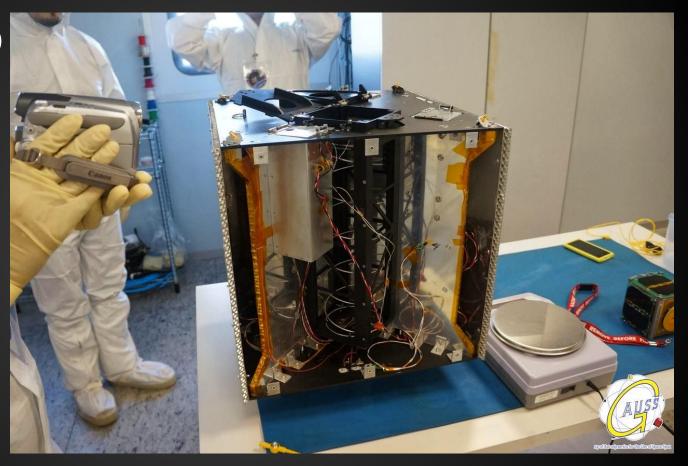


T-LogoQube 2.5p

QubeScout 2.5p



Mothership



LAUNCH



DNEPR-1





Tech flown on PocketQube to date

- Camera (SSTV)
- CZT Array (X-rays)
- 3 Axis reaction wheels for ACDS
- 4 Pulsed Plasma Thrusters (ppt)
- Fine Sunsensors

Second Generation PocketQube's

Payload Tech in Development

- Electrosmog detector (SMOG-1)
- LED Beacon (Arduiqube)
- Chipsat deployment platform
- More optical payloads



OzQube-1

- Camera
- First Australian PQ

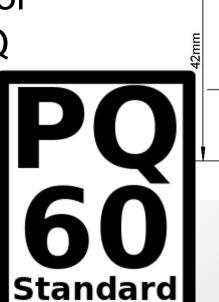
1p

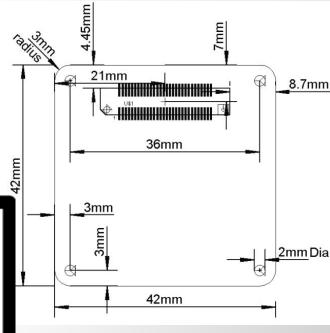




PQ60 Electrical Standard

- PQ Community led standard
- 60 header connector
- Mech fits in any PQ
- www.pq60.info

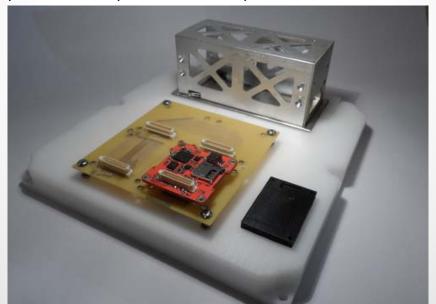




PocketQube COTS

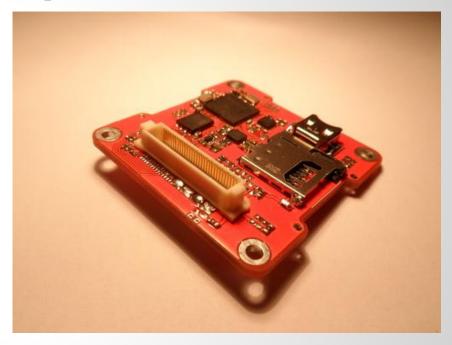
PocketQube Kit

- Starter satellite Kit, Low cost
- Structure, OBC, Radio, Dev board



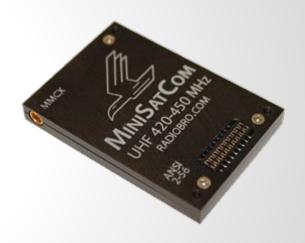
Parts - Onboard Computer

- MSP430
- Memory card slot
- PQ60 Standard
- Shipping first to Asian
 Customer soon



Radio

- Minisatcom
- Partner with US firm
- UHF/VHF
- 44mm x 22mm x 5mm
- Smallest commercial radio
- 10 grams



Solar panels

1p/2p/3p

• Set of 5

Custom mountings

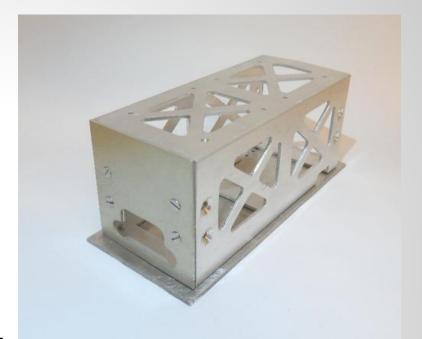
Fulfilled by DHV

Heritage of production line



Structures

- 1p, 1.5p, 2p, 3p,
- EM/FM
- MR-Fod compatible
- Double killswitch
- Lightweight/skeletonized



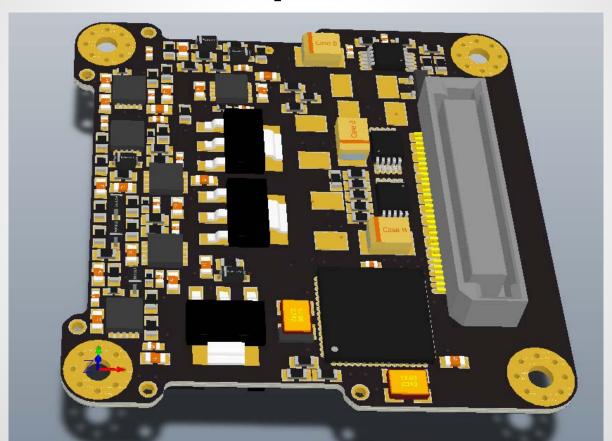


Mechanical Ground Support Equipment

- Holds satellite
- 1p upto 3p
- Test deployables
- Easy to transport



In Development - EPS



Customer base

Sold Structures, Radios and OBC Asia/North America





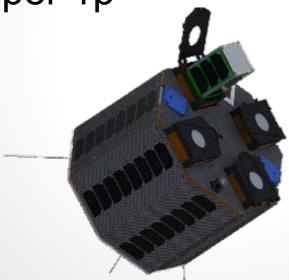
Sistema Universitario

(Puerto Rico University)

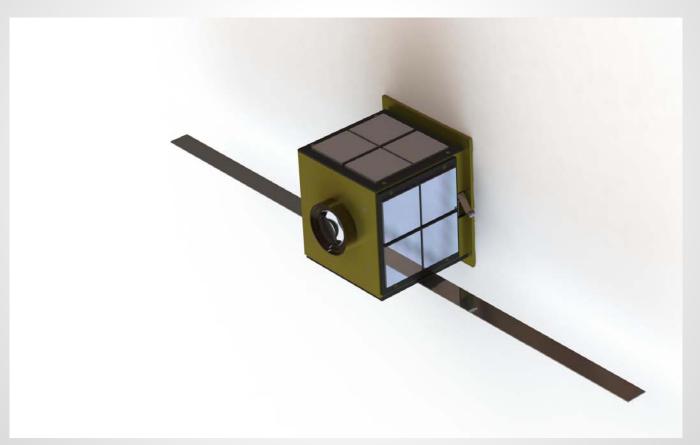
Fluid & Reason LLC National Space Organisation (Taiwan)

Next Launch - Unisat-7

- SSO 620km
- 15keuro per 1p
- Q2 2016
- GAUSS



Questions?



Thanks

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