



CAPRICORN SPACE



Q2 2022

Mingenew, **Western Australia**



Image: April 2022



Ideal
Location



ACMA
Licences



Gbps
Fiber
Comms



Dual
UPS
Power



Weather
Station
& CCTV



Restricted
Flight
Zone



Pristine
Atmospherics



35 Hectares
Of Land



On-Site
Support



Available
Now!



Wholly Australian owned and operated.

Southern hemisphere based ground segment services to New Space and Legacy markets.

Support Five Eyes friendly organisations.

Established in 2018 and now serving many international clients.



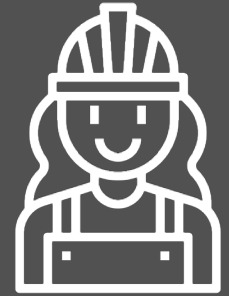
Unique
Location



High 9's
Availability



Ease of
Securing
Licences



24/7
Site Support



ACMA frequency protected area

(ACMA Embargo 49 centred on Mingenew WA)

30+ ACMA Licences



We make it happen by providing high-nines infrastructure (antennas and modems) to support your mission.

Alternatively you can establish your own presence (antennas and specialist equipment) at our site.

Think of us as a Ground Station Fulfillment Centre – our essential support and infrastructure exists right now to save you time, money and effort.

Differentiators

We own and operate our own antennas.

We have our own Scheduler application enabling multiple client bookings.

Mains power generated by solar energy with dual diesel generator back-up plus a dual UPS system that provides clean highly reliable power.

High speed diverse communications.

Remote NOC monitoring and operational support 24/7.

Differentiators

Within ACMA Embargo 49 thereby assuring negligible RF terrestrial interference and simplifying process for securing licences.

Our site possesses pristine atmospheric conditions, essential for next generation frequency bands and optical/laser services.

Located within an aircraft Restricted Flight Zone.

Strategic location below the Asian corridor.

Highest levels of Network Security.



Image: April 2022



Horizon to
Horizon



Restricted
Flight Zone



35 Hectares
of Land



Clear
Skies



Next Gen
Tech Ready



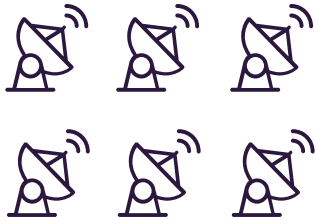
Solar generated primary power

Environmentally friendly

Solar panels + battery storage

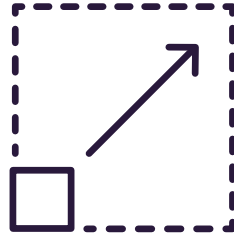
Site Snapshot

Started with two S/X-Band antennas in Oct 2019 and adding third-party client antennas.



More
Antennas

Expanded site with a further six medium size antenna pads (and several smaller antennas and optical terminals).



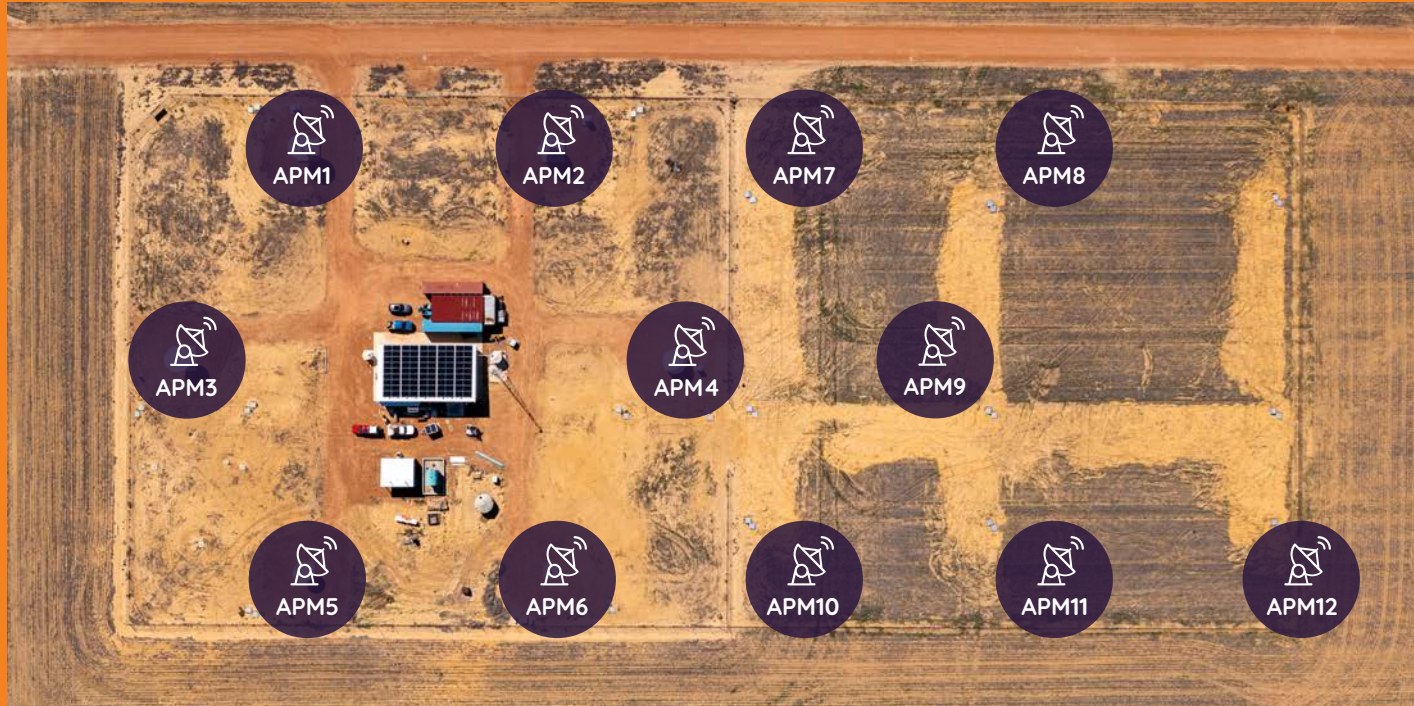
Extending
Compound

A vote of confidence from new key satellite constellation and global ground station operator clients.



Growing
Client Base

Site Layout



Existing compound

Extended compound

* Ample room to expand, access to 35 Hectares



Capricorn Space Antennas

APM1 & APM2



Client
Antennas

APM3 & APM5



Client
Antenna

APM4

Future
Client
Antenna

APM6





Indoor Equipment Racks



UPS Room



Backup Diesel Generators

Summary Page

ADN W Hubbing Alarm State: **DisArmed**

ADN W Camera Room Door: **Open**

Operations

ADN W Antenna 1 Scheduler State: **ACU1 Schedule Enabled**

ADN W Antenna 2 Scheduler State: **ACU2 Schedule Enabled**

Antenna Information

GEN1 STATE: **ACTIVE**

Generator Fault Code: No Faults

Building Security

GEN2 STATE: **INACTIVE**

Generator Fault Code: No Faults

Calibration Utility

Fuel Tank Burnishing: **12.1 days**

Fuel Tank: 3967, Diesel: 8

Energy Dashboard

UPS-A Battery Time: —

UPS-B Battery Time: —

Temperature: **23 °C**

Humidity: **52%**

Dry

Power Information

UPS-A Battery Time: —

UPS-B Battery Time: —

Schedule & Pass Information

ADN W Scheduled Passes

No. (L21)	Antenna ID	Task ID	Owner	SubSite Name	Iron Config	Priority	Peak Elevation	Pass Start Time	Pass End Time	Duration (L1/L21/P6)	Time To Pass
1	1	99879				350	13.9°	2022-03-23 00:48:13	2022-03-23 00:54:22	06:09	(0:01:07)
2	1	99880				350	12.6°	2022-03-23 01:01:37	2022-03-23 01:04:38	03:01	0:08:22
3	1	99881				350	14.6°	2022-03-23 01:06:53	2022-03-23 01:10:11	03:18	0:13:38
4	2	100198				-10	30.2°	2022-03-23 01:24:35	2022-03-23 01:35:17	10:42	0:31:20
5	1	99882				350	47.7°	2022-03-23 01:30:44	2022-03-23 01:39:39	08:55	0:37:29
6	1	99883				350	72.2°	2022-03-23 02:00:08	2022-03-23 02:04:16	04:08	1:06:53
7	1	99884				350	60.7°	2022-03-23 02:06:06	2022-03-23 02:12:11	06:05	1:12:51
8	1	99885				350	44.7°	2022-03-23 02:13:11	2022-03-23 02:21:15	08:04	1:19:56
9	1	99886				350	24.0°	2022-03-23 02:39:39	2022-03-23 02:43:29	03:50	1:46:24
10	1	99887				350	56.7°	2022-03-23 02:45:27	2022-03-23 02:53:53	08:26	1:52:12
11	1	99888				350	9.7°	2022-03-23 02:59:37	2022-03-23 03:04:41	05:04	2:06:22
12	2	100199				-10	13.9°	2022-03-23 03:00:34	2022-03-23 03:09:52	09:18	2:07:19
13	1	99990				350	6.6°	2022-03-23 03:09:24	2022-03-23 03:12:39	03:15	2:16:09
14	1	99991				350	13.8°	2022-03-23 03:25:20	2022-03-23 03:28:58	03:38	2:32:05
15	1	99890				350	6.3°	2022-03-23 03:39:17	2022-03-23 03:42:15	02:58	2:46:02
16	1	99992				350	28.0°	2022-03-23 03:44:09	2022-03-23 03:51:48	07:39	2:50:54
17	1	99993				350	42.5°	2022-03-23 03:58:43	2022-03-23 04:06:47	08:04	3:05:28
18	1	99994				350	9.7°	2022-03-23 04:21:18	2022-03-23 04:26:25	05:07	3:28:03
19	1	99995				350	10.1°	2022-03-23 04:27:42	2022-03-23 04:30:21	02:39	3:34:27

Historical Pass Information

Antenna ID	Task ID	Owner	SubSite Name	Iron Config	Priority	Peak Elevation	Pass Start Time	Pass End Time	Duration	TLE Age	Result	Comment
1	99878				350	8.6°	2022-03-23 00:39:17	2022-03-23 00:43:46	04:29	0 s	Failed	Good
1	99777				350	9.2°	2022-03-22 23:39:34	2022-03-22 23:45:28	05:54	0 s	Failed	Good
1	99679				350	6.7°	2022-03-22 21:29:56	2022-03-22 21:33:14	03:18	0 s	Failed	Good
2	100099				650	6.7°	2022-03-22 21:29:56	2022-03-22 21:33:14	03:18	0 s	Failed	Good
1	99776				350	9.4°	2022-03-22 21:14:20	2022-03-22 21:19:17	04:57	0 s	Failed	Good
2	100098				650	9.4°	2022-03-22 21:14:20	2022-03-22 21:19:17	04:57	0 s	Failed	Good
1	99677				350	26.7°	2022-03-22 20:27:01	2022-03-22 20:34:37	07:36	0 s	Failed	Good
1	99573				350	78.2°	2022-03-22 19:50:55	2022-03-22 19:58:51	07:56	17 s	Failed	

Last Updated: 2022-3-23 11:53:7

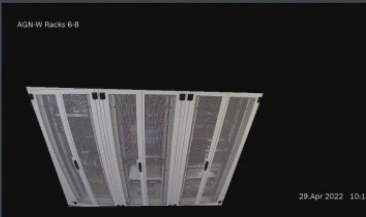
Reset Camera

ADN W Event Register

username	Start Times	End Times
	2022-03-23T07:53:38+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:53:28+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:52:56+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:52:12+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:48:46+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:35:15+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:31:23+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:20:33+08:00	2022-03-23T08:00:00+08:00
	2022-03-23T07:13:19+08:00	2022-03-23T08:00:00+08:00

Network Operations - Scheduler

CAPRICORN SPACE



Network Operations - CCTV

Site Expansion





Let's make it happen!

Capricorn Space
provides unparalleled
access while bringing
unique opportunities
to the region.

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