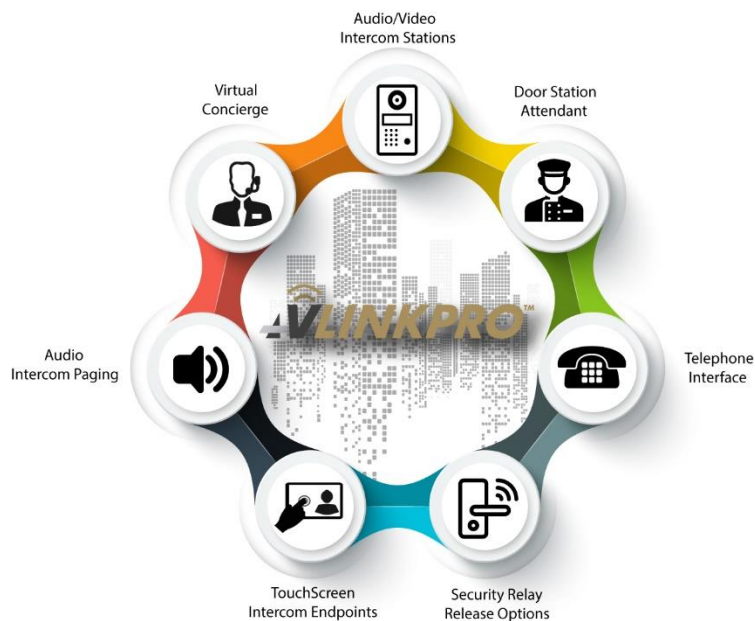# MULTI-DWELLING INTEGRATION

CRESTRON HOME™

AVLinkPro™ is a leader in video intercom communication integration.

Today's smart residence environments call for interaction with a variety of technologies that provide inter-communication at some level to allow for security and safety as well as amenities to benefit the resident.

In the Crestron Smart home environment, AVLinkPro™ has provided a partner solution since early 2018 that allows for full functionality within all Crestron environments for audio and video communication.

Why this solution is important to MDU integration?

- Video intercom from a shared entry point is a vital security amenity
- Residents want to have a communication path to concierge
- The ability to preview a visitor before allowing access is a key feature
- Residents want to be able to allow visitors to gain access to enter
- Integration within the Crestron ecosystem benefits the system, the resident as well as the building management and security position
- Such an amenity compliments the building security and convenience
- With AVLinkPro, Crestron systems can control elevators and access controls
- Real estate properties prove to be more attractive with such amenities

MDU Communication Solutions

North Sydney Luxury Premiere Residences Offering Unrivaled Lifestyle

Oversized luxury architectural residences designed by Woods Bagot and Richards Stanisich. Live above a curated retail and dining precinct with panoramic city and harbour views, high quality interiors, open space living and an exclusive lifestyle concierge at your fingertips. AURA by Aqualand is a stylish and sophisticated expression of modern harbourside living in the heart of North Sydney.

Tecco PTY LTD, a certified Crestron partner and a highly specialized IT provider who is based in Sydney, who has developed audio visual integration and service expertise across a wide range of solutionsreached out to **AVLinkPro**, a Tier One Crestron partner manufacturer to provide a unique security and communication solution for the individual residences. The **AVLinkPro** solution is recognized all over the world as the technology leader in communication technology to allow single residence and multiple dwelling spaces connect via video and audio intercom as well as other communication devices. AVLinkPro provides the intermediary technology that can bind control of many security solutions, elevator control as well as access control and diverse VOIP and SIP communication.

MDU Communication Solutions

Aura – Aqualand Development Group

386 Luxury Suites with

1,2,3 & 4 Bedroom Suites with Den Options (800-2200 sq. ft.)

Number of Floors: **28**

Integration in each residence: **Crestron Home**

Total Crestron touch screens dedicated to intercom: **390+**

Crestron systems being controlled in each residence:

Lighting, Thermostats, Audio, Video, Shades, Intercom, Elevators...

Main door entry devices: **2N** video intercom

The Challenge:

- To provide connectivity for the Concierge through the Crestron Home enabled touch screen panels.
- Allow residents to call elevator directly through Crestron Home panels.
- To provide a means to easily deploy up to 390 systems endpoints.
- The ability to deploy elevator control schemes with a spreadsheet.

The Solution:

AVLinkPro™ Provided two enterprise grade **LP360RAD** 1.3U Enterprise class dual PBX Bridge systems that will maintain intercom solution through a network VLAN and have clustered server redundancy. The **AVLinkPro™** Team provided network advisement, customization to accommodate the buildings Access control system to allow for control over the various access points and the ability to call elevators to each individual apartment with a simple touch-screen press. AVLinkPro™ provided our IP based RELOGIC MDU relay systems on the premise as well as the **AVLinkPro™ SIPAHOY Enterprise** platform for Crestron Home. This is being utilized to enable maximum communication between endpoints and quick actions triggers to enable triggers to the Relay systems as well as access points.

MDU Communication Solutions

Project includes:
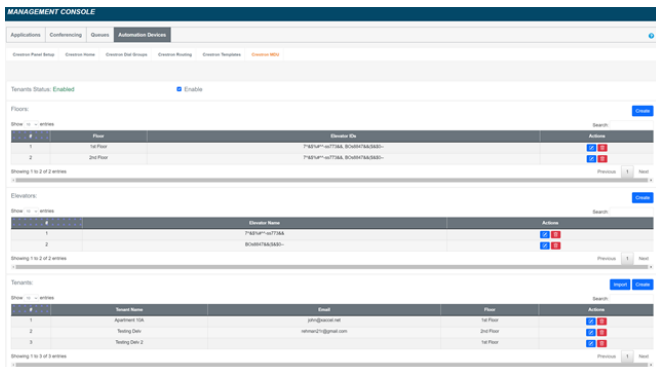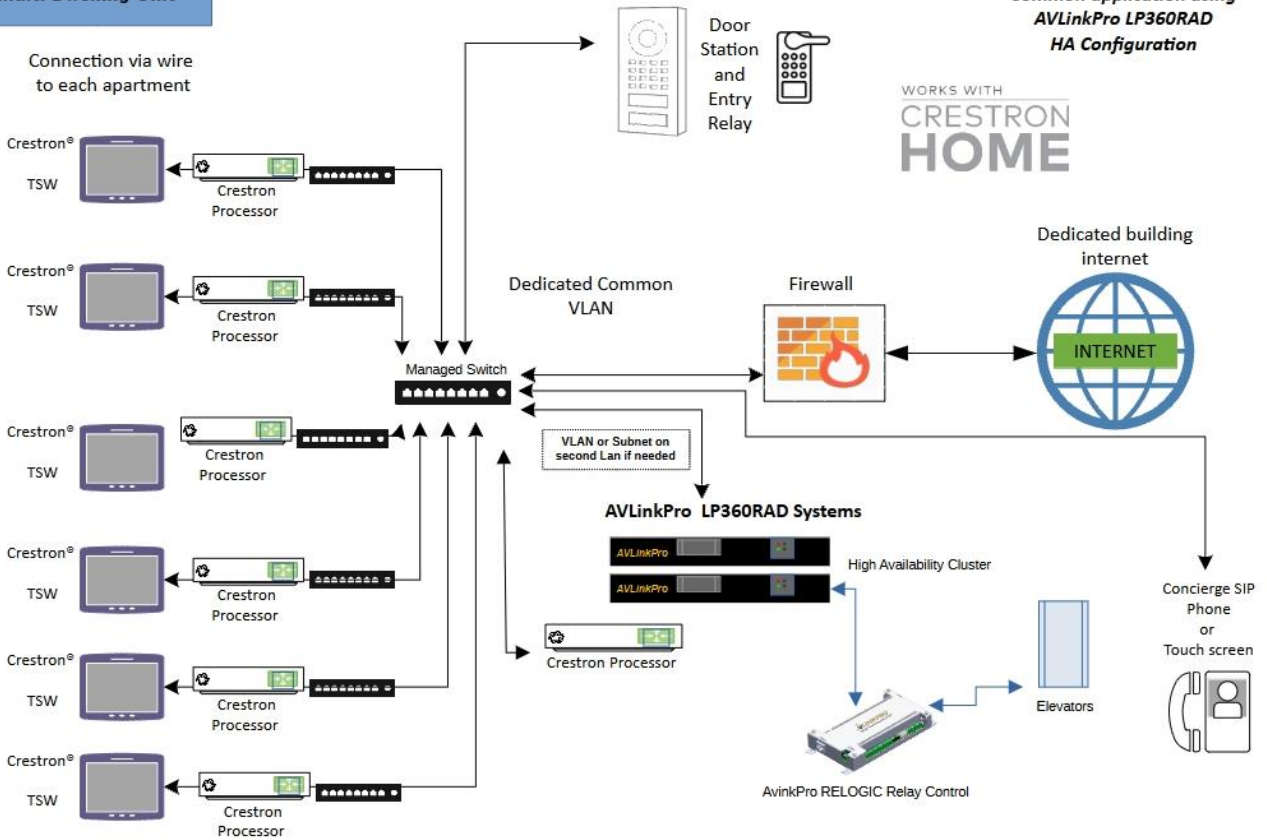2 x AVLinkPro™ LP360RAD Enterprise SIP PBX Bridges
Aligned as a High Availability redundancy cluster
AVLinkPro™ SIP Channel endpoint licenses
1 x SIPAHOY Enterprise platform for Crestron Home

Crestron
Residential Intercom
Multi Dwelling Unit

Enterprise MDU Door-Station Connection with AVLinkPro™

Connection VIA Internet
from common building ISP

Common application using
AVLinkPro LP360RAD
HA Configuration

Connection via wire
to each apartment

Crestron® TSW
Crestron Processor

Door Station and Entry Relay

WORKS WITH
CRESTRON
HOME

Dedicated Common VLAN

Firewall

Dedicated building internet

INTERNET

Managed Switch

VLAN or Subnet on
second Lan if needed

AVLinkPro LP360RAD Systems

High Availability Cluster

Crestron Processor

AVinkPro RELOGIC Relay Control

Elevators

Concierge SIP Phone or Touch screen

Floor name	Lift 3	Lift 2	Lift 1	SIP Addresses Related to floors	Apartment Names
Level 55				671-676	55A,55B,55C,55D,55E
Level 53				661-666	53A,53B,53C,53D,53E
Level 52				651-656	52A,52B,52C,52D,52E
Level 51				641-646	51A,51B,51C,51D,51E
Level 50				631-636	50A,50B,50C,50D,50E
Level 39				621-626	39A,39B,39C,39D,39E
Level 38				611-616	38A,38B,38C,38D,38E,38F
Level 37				601-606	37A,37B,37C,37D,37E,37F
Level 36				591-596	36A,36B,36C,36D,36E,36F
Level 35				581-586	35A,35B,35C,35D,35E,35F
Level 33				571-576	33A,33B,33C,33D,33E,33F
Level 32				561-566	32A,32B,32C,32D,32E,32F
Level 31				551-556	31A,31B,31C,31D,31E,31F
Level 30				541-546	30A,30B,30C,30D,30E,30F
Level 29				531-536	29A,29B,29C,29D,29E,29F
Level 28				521-526	28A,28B,28C,28D,28E,28F
Level 27				511-516	27A,27B,27C,27D,27E,27F
Level 26				501-506	26A,26B,26C,26D,26E,26F