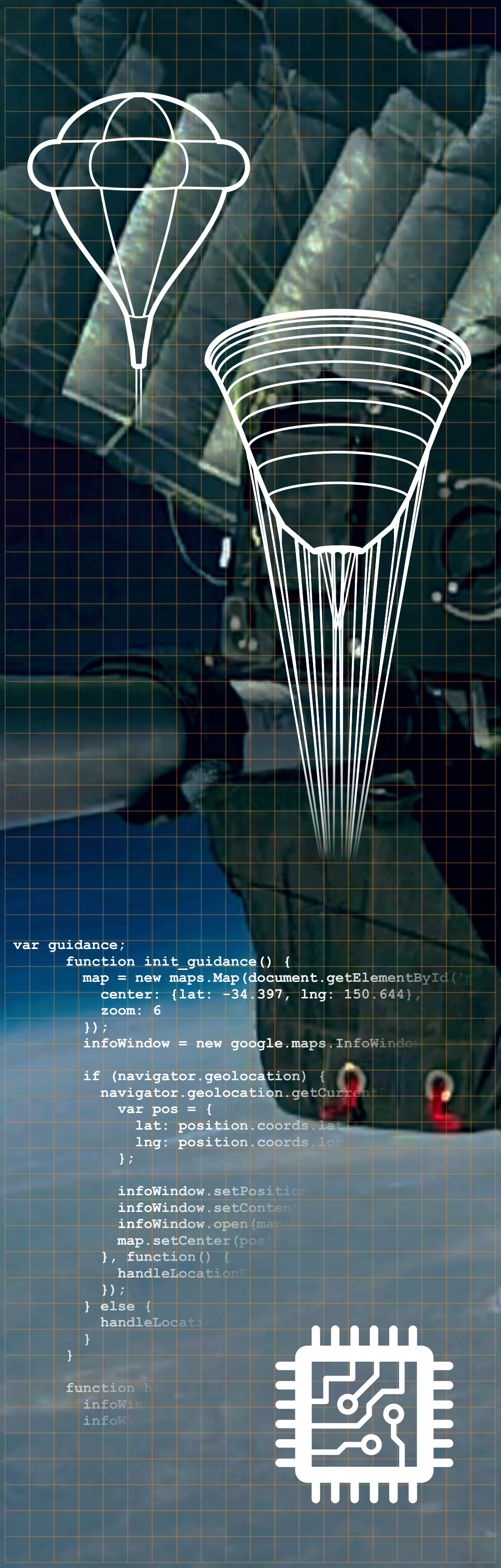
MMIST™

# Space Recovery Systems

- Decelerator and Gliding Systems
- Customized Guidance, Navigation & Control Solutions

GUIDED RECOVERY AT A FRACTION OF THE WEIGHT AND VOLUME OF TRADITIONAL SYSTEMS

## GUIDED RECOVERY AT A FRACTION OF THE WEIGHT AND VOLUME OF TRADITIONAL SYSTEMS



```
var guidance;
      function init_guidance() {
        map = new maps.Map(document.getElementById('
          center: {lat: -34.397, lng: 150.644},
          zoom: 6
        });
        infoWindow = new google.maps.InfoWindo

        if (navigator.geolocation) {
          navigator.geolocation.getCurrent
            var pos = {
              lat: position.coords.lat
              lng: position.coords.lon
            };

            infoWindow.setPositio
            infoWindow.setConten
            infoWindow.open(ma
            map.setCenter(pos
          }, function() {
            handleLocation
          });
        } else {
          handleLocati
        }
      }

      function h
        infoWi
        infoW
```

# Decelerator and Gliding Systems

### Guided Gliding Systems

MMIST's new custom parafoil design is perfectly suited to vehicle recovery applications and offers some significant advantages over standard ram-air parafoils in the guided parachute recovery market.

**Advantages include:**

- Lower weight
- Lower pack volume
- Highly variable glide ratio (for precision purposes)

### Custom Aerodynamic Decelerator Systems

For applications requiring multiple stage systems, MMIST has supported customer re-entry profiles with the design and manufacture of high altitude aerodynamic decelerator systems specific to their application.

# Customized Guidance, Navigation and Control Solutions

**Based on MMIST's proven Sherpa Precision Aerial Delivery System:**

- Autonomous GPS Guidance augmented with Accelerometer & Gyro Sensors
- HALO/HAHO (opening altitude determined by GPS Altitude, Pressure Altitude, or Time Delay)
- Features waypoints & 'No Fly' Zones
- Multi Constellation GPS Support: NAVSTAR, GALILEO, GLONASS

### Easy Integration into Third Party Architectures / Systems

Access Sherpa's core circuit board components and proprietary guidance software available as OEM component board for seamless integration into existing third party architectures.

**Key components include:**

- Basic Navigation Board (Parachute Control Board / Core CPU / Guidance Firmware)

and (optional / as required):

- Sensor Expansion Board (GPS, Accelerometer, Gyro Sensor Suite)
- Motor Controller Board
- Parachute Control Actuators
- Custom Bus Interface
- Ruggedized Packaging