PLAN Systems

Privacy
Logistics
Accessibility
Networks
To confront the challenges of this century, people need tools that facilitate secure communications and collaboration which are not dependent on a gatekeeper, a business model, or internet connection to continue functioning.
PLAN
A Community Operating System designed for realtime communications, spatial collaboration, 3D visualization, and secure distributed data storage.
• USAF veteran senior intelligence operations analyst
• Intelligence systems, contingency response, force protection, combat search & rescue, emergency medical evacuation
• Multi-media production and 3D design
• Technology solutions, project management
• UT Austin cross discipline communications, sustainability, and environmental geography
• Community organization and leadership, geospatial planning

Brandon D. Wallace
President, Director of Operations
GeoSpatial Planning & Technology Solutions

Drew O’Meara
Technical Director, Chief Architect
Realtime 3D Graphics & Distributed Systems Architecture Expert

• US Navy 688i nuclear submarine officer
• Graduate in Computer Science at Cornell
• Co-Founder and CTO of SoundSpectrum, a 3D audio visualization software company
• Veteran developer, building multi-platform software on desktop and mobile for 17 yrs
• Inventor, licensed software to Apple Inc., authored U.S. patent 9971632
• Specialist in realtime 3D technology, UX architecture, information visualization, and distributed systems
Jeff Garrard
Organization Development Director
Digital Media Industries

• A 30 year veteran of digital media industries leadership
• Portfolio manager for Blackbaud, Inc., the leading software company for non-profit organizations in the U.S.
• Science and technology writer and producer at CNN
• Led the launch of CNN.com as Executive Producer
• Experience with operations in leveraging Software as a Service.

Tim Gross
Software Engineer & Build Systems Security Engineer

• Serial startup software engineer and systems development advisor
• Developer advocate, engineering manager, and dev ops engineer
• Independent consultant for engineering teams at startups and fledgling non-profits
• Experience with safety-sensitive projects and designing buildings

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Applications of PLAN
Realtime Communications
Immersive Environments
3D Content, Files, & Media
Education & Visualization
Collaborative Spaces
Infrastructure Reliability

Made possible by an innovative channel system & data-model, inspired by IRC, Linux, and Elinor Ostrom.
Collaborative Spaces
Realtime Communications

Multi-tasking with Spaces in Spaces

2D-3D Data Views

PLAN (noun) a detailed proposal for doing or achieving something.
Customizable Environments and Content

Modules and Templates
Internet Independence
Take your data off-line or off-grid.
Experiential Design and Education
PLAIN SYSTEMS
Technology - 501(c)(3)

Advancing technology solutions as public goods in service of science, education, and economic development; working with and through qualifying organizations.

- Stewards open source tech roadmap
- 501(c)(3) compliance
- Support to qualifying orgs
- Community supported
- Donations tax deductible
- Qualifying quid-pro-quo contracts

Exclusive service to charitable class

PLAN SYSTEMS

Mission

Focus

Funding

Commitments

An ecosystem for technology services, tools, and custom development for business communities and private networks; a foundation of support for PLAN Systems FOSS development.

- Software sales and support
- Hardware kits
- Custom engineering & development
- Software as a Service (SaaS)
- B2E, B2B
- Private investment

Conventional ROI, Donates IP & Royalty / Equity Stake to PLAN Systems

plan.tools
Affiliate and Partner Model

Focus on advancing technology solutions as public goods in service of science, education, and economic development; working with and through qualifying organizations.

- Stewards open source tech roadmap
- 501(c)(3) compliance
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Exclusive service to charitable class
PLAN-C3AV

A modern audio-visual network data center for your home, business, or mobile life.

Flexible Computing & AV Load-out

Modern Networking Capabilities
- Dynamic mesh network topology (OSPFv3)
- HQ or Mobile RF Package / Configuration
- Broadband

Bring Your Own Battery - BYOB

Modular Storage and Setup
# PLAN Roadmap

## PLAN Prototype (Pre-Alpha)
- Persistent data channels
- Cross-platform compatibility
- Multi-tasking tabs
- AR VR Visor / Panel System
- Navigate spaces within spaces
- Asset Module SDK

## User Client (Unity)
- Linux, macOS, Windows

## Capabilities
- Messaging, notes, 2D/3D/maps, feeds
- Files, calendars, scheduling
- Task & supply management

## Integration Level
- Interoperable data formats & protocols
- Web publishing (file and media serving)

## PLAN MVP Testing
- Hardware integration and testing
- A new PLAN installation includes:
  - Community Genesis
  - Preinstalled Spaces
  - Expanding inventory of Channels
  - Infrastructure to develop instruments, templates, and modules

## Distribution:
- 6 platforms, App & SDK
- Mac, Win, Linux, iOS, Android, Unity Asset Store
- Fundraising and outreach with contributing networks
- Focus on regenerative agriculture and accessibility

### Timeline
- Jan 2021
- Q1
- Q2
- Q3
- Q4

### Roadmap Grid

<table>
<thead>
<tr>
<th>Infrastructure &quot;pnode&quot;</th>
<th>PLAN Prototype</th>
<th>MVP*</th>
<th>Medium Term</th>
<th>Long Term</th>
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<tbody>
<tr>
<td>Linux, macOS, Windows</td>
<td>Linux, macOS, Windows, Android</td>
<td>DIY imaging</td>
<td>Curated imaged hardware &amp; support</td>
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<th>User Client (Unity)</th>
<th>PLAN Prototype</th>
<th>MVP*</th>
<th>Medium Term</th>
<th>Long Term</th>
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<td>Linux, macOS, Windows</td>
<td>Linux, macOS, Windows, Android, iOS*</td>
<td>Multi-platform installer</td>
<td>Native install</td>
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<th>Capabilities</th>
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<th>MVP*</th>
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<tr>
<td>Messaging, notes, 2D/3D/maps, feeds</td>
<td>Files, calendars, scheduling</td>
<td>Task &amp; supply management</td>
<td>Spreadsheets, archiving, data visualization</td>
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<table>
<thead>
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<th>Integration Level</th>
<th>PLAN Prototype</th>
<th>MVP*</th>
<th>Medium Term</th>
<th>Long Term</th>
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<tr>
<td>Interoperable data formats &amp; protocols</td>
<td>Web publishing (file and media serving)</td>
<td>Developer SDK</td>
<td>Developer support &amp; training</td>
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</table>

* time dependent on participation
# Sponsorship Opportunities

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Title Sponsor $100,000</th>
<th>Pro Sponsor $50,000</th>
<th>Volunteer Sponsor $15,000</th>
<th>Terra $5,000</th>
<th>Supporter $1000</th>
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<tbody>
<tr>
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<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>PLAN alpha / beta early access</td>
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<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Inclusion in a Donor data visualizer that ships with PLAN</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>1x Custom 3D Space</td>
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<td>✔</td>
<td>✔</td>
<td>-</td>
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<tr>
<td>Expedite priority roadmap items</td>
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<tr>
<td>Implementation</td>
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<td>Assisted</td>
<td>Advised</td>
<td>Direct Support</td>
<td>Community Support</td>
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<tr>
<td>Support and Continuing Education</td>
<td>10yrs</td>
<td>5yrs</td>
<td>2yrs</td>
<td>1yr</td>
<td>n/a</td>
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</tbody>
</table>

*custom engineering, web integration, and app store submission support available*
Components of PLAN
A complete and integrated system designed for community-centric organization, persistent & secure data, and paired with cutting edge 3D interfaces.

Pluggable Client Interface
- Cross platform 3D engine
- Realtime collaboration
- Persistent interface
- VR/AR/XR, CAD ready
- Custom scenes, modules, and templates
- Navigate spaces within spaces

P2P Data-Model
- Community centric permissions
- P2P Files, media, and content server
- Supports public and private channels
- Secure data services
Extensible Channels & Adapters
- Enable data visualization & collaboration
- Talk, notes, task & supply management
- Geo-location & tagging

Pluggable Data Storage Layer
- Distributed data store & archive
- Secure pluggable encryption
- “Inflates” onto any device
- Built for scalability & persistence
- Pluggable DLT infrastructure
- Future-proof upgradability

External platform integrations are for example purposes only, and are not required.
PLAN Software Design Principles

A community-centric, peer-to-peer collaboration suite that ensures:

- Total Data Ownership
- Community-Centric Permissions
- Off-grid First Operation
- Usability and Accessibility as a Core Focus
- Total Data Privacy, Real-World Security Provisioning
- Native 3D Interfaces “on the metal”
- Gatekeeperless Infrastructure & Interfaces
- Modular & Pluggable Components
- Tools for Data & Infrastructure Redundancy
- Hardware Agnostic Open Source Flexibility
Use-Cases:

- **Emergency Response**: Real-time, off-grid capable C3 systems.
- **Private Networks**: Pluggable and adaptable for any network.
- **Science & Education**: Collect data in the field, write reports, share files.
- **Content & Data Stewards**: Archival security that is reliable and redundant.
- **501c3 Organizations**: Collaborate and manage your team and projects.
- **Civic Institutions**: Community governance with transparency & encryption.
- **Systems Resilience**: Architecture, Engineering, and Construction.
- **Business & Land Development**: Deploy 3D worlds to manage your enterprise.
Engineering Future Resilience

PLAN Systems is a solutions oriented non-profit developing invaluable communications infrastructure for people. We work with sponsors and partners to achieve our roadmap milestones. All contributions go to support the PLAN codebase, core development, and initiatives derived from our charitable purpose.

**Non-Profit & Core Development Supports**
- Science & education networks
- Non-profits & civic organizations
- Privacy & accessibility networks
- First responders & humanitarian support
- Regenerative systems: food, water, power
- Historical preservation

**Partnership Technology & Services Supports**
- Software & services marketplace
- Business organization
- Architecture, engineering, construction
- Visualization, modeling, & analysis
- Spatial planning & logistics
- Private networks and communities
Donate Today
Invest in technology you can own.

1JDU2Q4C2MfCbfPQfzCtKhq4RMcGfP55e
Accessibility Oriented Inclusive Systems
Smart & Precision Agriculture Tools
Near-Zero Cost Systems Infrastructure
Health System Resilience
Food Systems Resilience
Energy Systems Management
Climate Change Modeling & Mitigation
City Planning & Transportation Sustainability
Building & Built Environment Efficiency
Renewable Energy Visualization
Water & Sanitation Visualization
Experiential Education
Economic Development
Health & Well-Being Spaces
Earth Systems Visualization
Low-income Support Networks
**Bottom line:** the design values of any system show up in both the functionality and limitations of the system. This chart helps us compare industry wide tradeoffs through the lens of our design principles.

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<table>
<thead>
<tr>
<th>Software Platform(s)</th>
<th>Classification</th>
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</thead>
<tbody>
<tr>
<td>Linux</td>
<td>Device OS</td>
</tr>
<tr>
<td>Android</td>
<td>Device OS</td>
</tr>
<tr>
<td>Windows</td>
<td>Device OS</td>
</tr>
<tr>
<td>macOS</td>
<td>Device OS</td>
</tr>
<tr>
<td>iCloud</td>
<td>Personal Cloud + Services</td>
</tr>
<tr>
<td>MS Office 365</td>
<td>Productivity Suite &amp; Cloud</td>
</tr>
<tr>
<td>G-Suite, Google Drive</td>
<td>Productivity Suite &amp; Cloud</td>
</tr>
<tr>
<td>Slack</td>
<td>Team Messaging + Services</td>
</tr>
<tr>
<td>Amazon Web Services</td>
<td>Web Infrastructure Stack</td>
</tr>
<tr>
<td>F, Facebook, Instagram</td>
<td>Social Media / Feed-Follower</td>
</tr>
<tr>
<td>Discord, Telegram</td>
<td>Team Messaging + Files</td>
</tr>
<tr>
<td>Salesforce</td>
<td>Enterprise CRM</td>
</tr>
<tr>
<td>Google Maps</td>
<td>GeoSpatial Data &amp; Location</td>
</tr>
<tr>
<td>Threeparty Email Service</td>
<td>Messaging Service</td>
</tr>
<tr>
<td>Signal, WeChat</td>
<td>Messaging Service</td>
</tr>
<tr>
<td>Mastodon,Gabriel</td>
<td>Messaging Service (p2p)</td>
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<tr>
<td>Self-hosted Email</td>
<td>Messaging Protocol</td>
</tr>
<tr>
<td>IRC</td>
<td>Messaging Protocol</td>
</tr>
<tr>
<td>Beamer + Uint</td>
<td>Web Infrastructure Stack</td>
</tr>
<tr>
<td>SUSE</td>
<td>File Sharing Protocol</td>
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<tr>
<td>FalconView + BFT</td>
<td>GeoSpatial Integrated Features</td>
</tr>
<tr>
<td>Unity, Unreal, CryEngine</td>
<td>3D Engine (AAA)</td>
</tr>
<tr>
<td>GoDx, OGRE</td>
<td>3D Engine (FOSS)</td>
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<tr>
<td>Hyperledger</td>
<td>Enterprise DLT</td>
</tr>
<tr>
<td>Holochain,Substrate, IOTA</td>
<td>Instanted DLT</td>
</tr>
<tr>
<td>Ethereum</td>
<td>Global DLT (Pure Distributed)</td>
</tr>
<tr>
<td>EOS, Cosmos, Polkadot</td>
<td>Global DLT (Validated)</td>
</tr>
</tbody>
</table>

**Design Principles & Definitions:**

- **Total Data Ownership:** Systems and components must provision for assured data accessibility + data non-deniability + data portability
- **Total Data Privacy:** Only the designated owner(s) have permissions authority and cryptographic access to their data
- **Community-Centric Permissions:** Supports nesting hierarchies; creates/manage accounts + local authority + flexible (user-oriented) governance
- **Off-grid First:** Data accessible, usable, updatable all without the Internet; self-contained
- **Usability and Accessibility Focused:** Open protocols that are adaptable for accessibility, usability, and intended for users of any technical skill level
- **Spatial UX App Support:** Integrated full real-time 3D graphics capability with the full power of the workstation at your disposal
- **Hardware-Agnostic:** No technical, legal, or arbitrary restrictions on the number or types of devices
- **Plugable & Extensible:** Extend functionality natively; designed and offered with the intent that others can freely grow, enhance, or fork the platform
- **Gatekeepers:** Full source code may be used, modified and distributed---commercially or non-commercially. No third-party needed to deploy, access, or manage data. No costs, fees, or significant dependencies
- **Distributed Data & Infrastructure Redundancy:** Integrated data backup/replication and recovery; concurrency of components, lack of a global clock, and tolerates independent failure of components

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**Prepared by:** PLAN Systems © 2020

www.plan-systems.org
PLAN can scale and adapt to many different network configurations.
We are proud to formally introduce you to PLAN Systems. Led by veteran U.S. Air Force and Navy servicemen, PLAN Systems is reinventing the way people communicate and interact on and offline through peer-to-peer decentralization and 2D-3D native interfaces. Our mission is to develop cutting edge privacy and collaboration tools that enable economic development, experiential education, universal inclusion, and archival knowledge.

With around 3 billion people now coming online, the world wide web is a privacy and attention disaster zone in need of triage. PLAN is designed to support mission critical integrated communications including: 3D world building, secure messaging, file sharing, community & asset management, and the ability to take your data with you anywhere. We cordially invite you to learn more about this innovative technology. If you are interested in supporting this important effort, there are few ways you can contribute:

**$1.5m Capital Raise** - A capital raise of $1.5m will move PLAN into its next stage of development. PLAN Systems aims to shape the distribution of software in a way that prioritizes data ownership and accessibility over profits or big tech dependency.

**Sponsor, Partner, and Developer Referrals** - PLAN Systems is growing a multi-discipline team, and a wide network of supporters and service partners. To start, we are offering full-service application development, consultations, and custom 3D content management tools that position organizations for the coming spatial intranets. Sponsor organizations and service partners are invited to work with us in developing these important tools. Let’s schedule a time to connect, and feel free to refer an organization or initiate a proposal here.

**Donate** - If PLAN is not a good fit for you personally, please consider making a donation to support the development of community-centric technology and digital privacy tools usable by non-technical people.

Please share this message with your friends and colleagues, and fuel the development of peer-to-peer encryption, and collaborative systems. We can help each other become tangibly more secure and resilient as a society.

Warm Regards,

Brandon D. Wallace, President
Drew O'Meara, Chief Architect

PLAN-Systems.org
info@plan-systems.org