# VantaCore & Sigils - Figma Design Specifications

**Project**: VantaCore Cognitive Orchestration Interface

**Version**: 1.5.0

**Date**: June 2025

**Design System**: VoxSigil Cognitive Interface

## ☐ Design System Overview

### Color Palette

#### Primary Colors

```
VantaCore Blue:      #0066CC (Primary action, headers)

Cognitive Purple:    #6B46C1 (Secondary elements, accents)

Neural Green:        #10B981 (Success states, active components)

Sigil Gold:          #F59E0B (Highlighting, special elements)

Warning Orange:      #F97316 (Warnings, alerts)

Error Red:           #EF4444 (Errors, critical states)
```

#### Neutral Colors

```
Dark Background:     #0F172A (Main background)

Card Background:     #1E293B (Component cards)

Border Gray:         #334155 (Borders, dividers)

Text Primary:        #F8FAFC (Main text)

Text Secondary:      #CBD5E1 (Secondary text)

Text Muted:          #64748B (Muted text, labels)
```

#### Gradient Colors

```
VantaCore Gradient: linear-gradient(135deg, #0066CC 0%, #6B46C1 100%)

Sigil Gradient:     linear-gradient(135deg, #F59E0B 0%, #EF4444 100%)

Neural Gradient:    linear-gradient(135deg, #10B981 0%, #0066CC 100%)
```

### Typography

## Font Families

```
Primary Font:     'Inter', -apple-system, BlinkMacSystemFont, sans-serif
Monospace Font:   'JetBrains Mono', 'Fira Code', Consolas, monospace
Accent Font:      'Space Grotesk', sans-serif (for headers)
```

## Font Sizes

```
Hero Text:      48px / 3rem
H1 Headers:     32px / 2rem
H2 Headers:     24px / 1.5rem
H3 Headers:     20px / 1.25rem
Body Text:      16px / 1rem
Small Text:     14px / 0.875rem
Micro Text:     12px / 0.75rem
```

## Spacing System
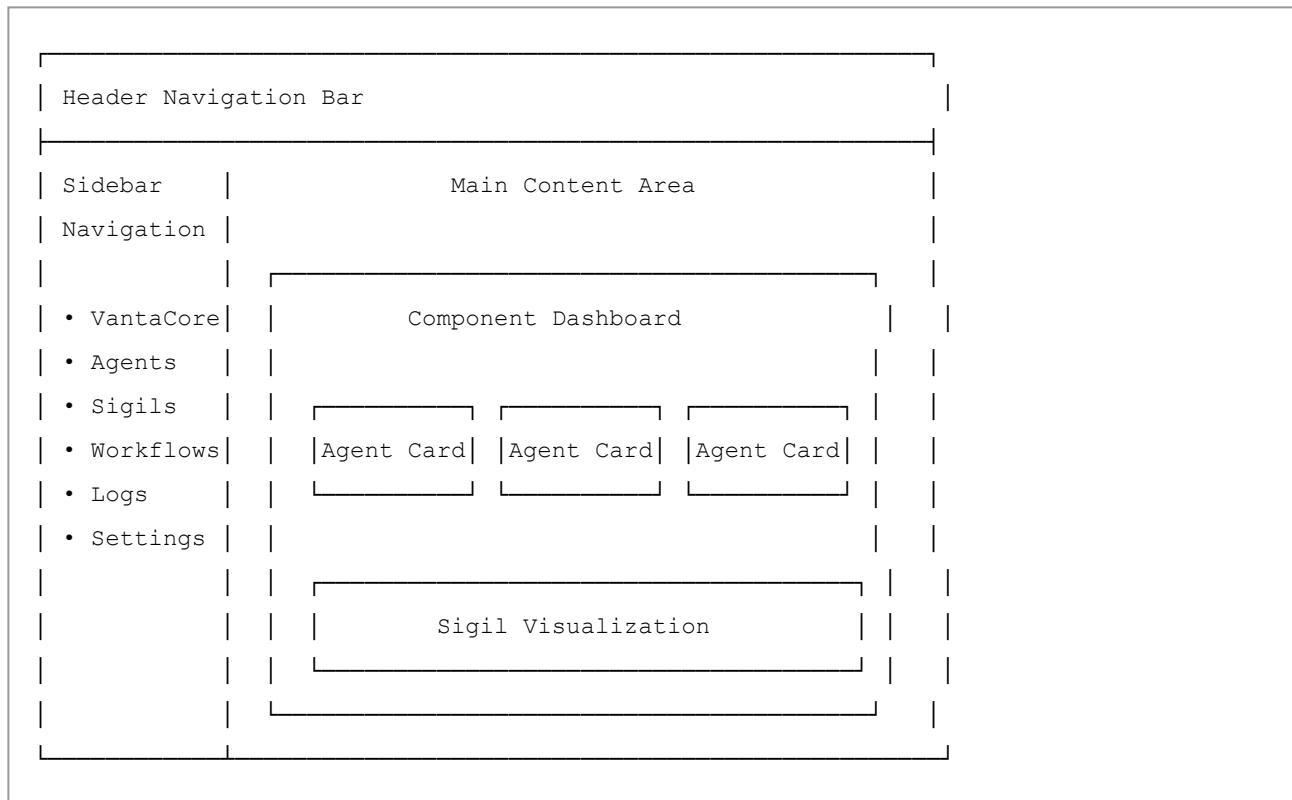
```
Micro:     4px
Small:     8px
Medium:    16px
Large:     24px
XLarge:    32px
XXLarge:   48px
Hero:      64px
```

## Border Radius
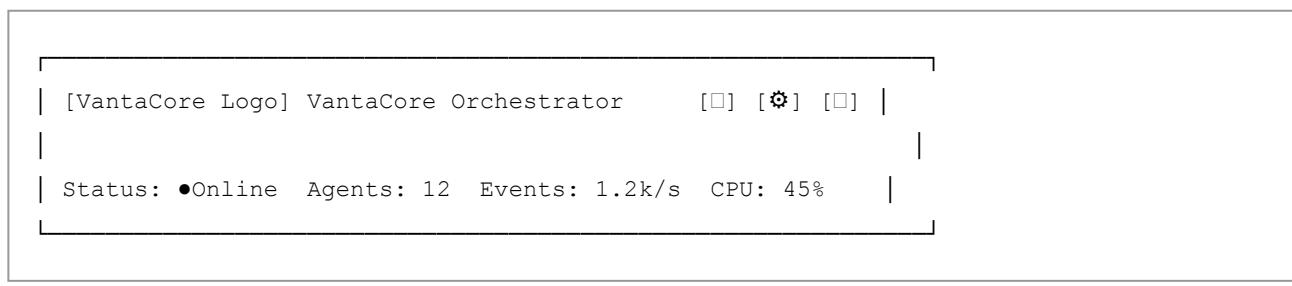
```
Small:    4px (buttons, inputs)
Medium:   8px (cards, panels)
Large:    12px (modals, major components)
Round:    50% (circles, avatars)
```

# ☐ Main Interface Layout

## Overall Layout Structure

```
┌─────────────────────────────────────────────────────────┐
│  ┌──────────────────────────────────────────────────┐   │
│  │ Header Navigation Bar                            │   │
│  ├──────────────────────────────────────────────────┤   │
│  │ Sidebar    │           Main Content Area          │   │
│  │ Navigation │                                      │   │
│  │            │   ┌──────────────────────────────┐   │   │
│  │ • VantaCore│   │       Component Dashboard      │  │   │
│  │ • Agents   │   │                                │  │   │
│  │ • Sigils   │   │  ┌────────┐ ┌────────┐ ┌────────┐ │  │   │
│  │ • Workflows│   │  │Agent Card│ │Agent Card│ │Agent Card│ │  │   │
│  │ • Logs     │   │  └────────┘ └────────┘ └────────┘ │  │   │
│  │ • Settings │   │                                │  │   │
│  │            │   │  ┌──────────────────────────┐  │  │   │
│  │            │   │  │     Sigil Visualization  │  │  │   │
│  │            │   │  └──────────────────────────┘  │  │   │
│  │            │   └──────────────────────────────┘   │   │
│  └────────────┴──────────────────────────────────┘   │
└─────────────────────────────────────────────────────────┘
```

## Header Navigation

```
┌─────────────────────────────────────────────────────────┐
│  ┌──────────────────────────────────────────────────┐   │
│  │ [VantaCore Logo] VantaCore Orchestrator   [□] [⚙] [□] │ │
│  │                                                  │   │
│  │ Status: ●Online  Agents: 12  Events: 1.2k/s  CPU: 45%  │ │
│  └──────────────────────────────────────────────────┘   │
└─────────────────────────────────────────────────────────┘
```
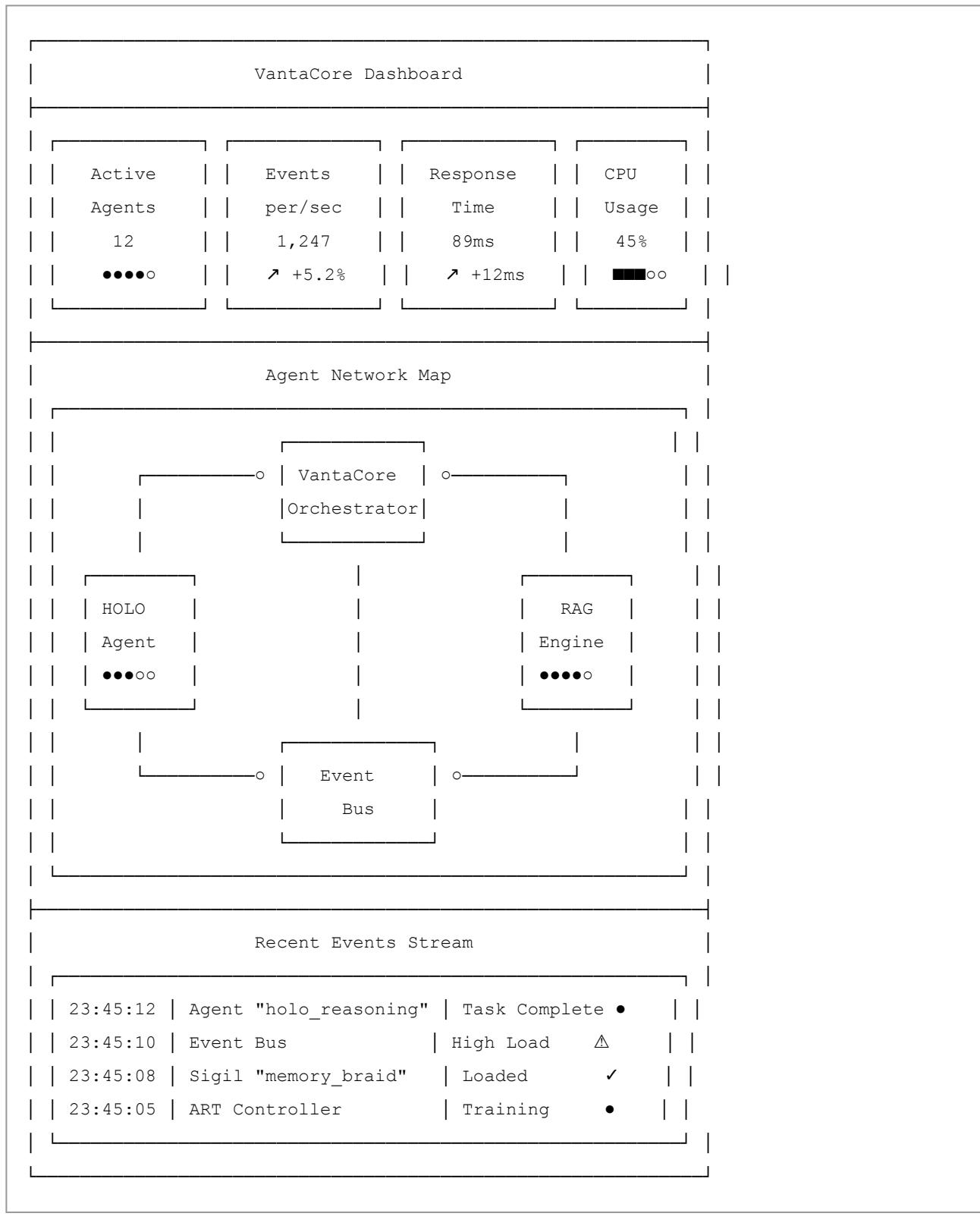
# □ VantaCore Dashboard Page

## Main Dashboard Layout

```
┌─────────────────────────────────────────────────────────┐
│              VantaCore Dashboard                         │
├─────────────────────────────────────────────────────────┤
│ ┌─────────┐ ┌─────────┐ ┌─────────┐ ┌─────────┐         │
│ │ Active  │ │ Events  │ │Response │ │  CPU    │         │
│ │ Agents  │ │ per/sec │ │  Time   │ │ Usage   │         │
│ │  12     │ │ 1,247   │ │  89ms   │ │  45%    │         │
│ │ ●●●●○   │ │ ↗ +5.2% │ │ ↗ +12ms │ │ ■■■○○   │         │
│ └─────────┘ └─────────┘ └─────────┘ └─────────┘         │
├─────────────────────────────────────────────────────────┤
│              Agent Network Map                           │
│ ┌─────────────────────────────────────────────────────┐ │
│ │                ┌──────────┐                         │ │
│ │        ┌────○ │VantaCore │ ○─────┐                  │ │
│ │        │      │Orchestrator│      │                  │ │
│ │        │      └──────────┘      │                  │ │
│ │  ┌──────────┐      │      ┌──────────┐              │ │
│ │  │ HOLO     │      │      │  RAG     │              │ │
│ │  │ Agent    │      │      │ Engine   │              │ │
│ │  │ ●●●○○    │      │      │ ●●●●○    │              │ │
│ │  └──────────┘      │      └──────────┘              │ │
│ │        │      ┌──────────┐      │                  │ │
│ │        └────○ │  Event   │ ○─────┘                  │ │
│ │               │   Bus    │                         │ │
│ │               └──────────┘                         │ │
│ └─────────────────────────────────────────────────────┘ │
├─────────────────────────────────────────────────────────┤
│              Recent Events Stream                        │
│ ┌─────────────────────────────────────────────────────┐ │
│ │ 23:45:12 │ Agent "holo_reasoning" │ Task Complete ● │ │
│ │ 23:45:10 │ Event Bus              │ High Load    ⚠ │ │
│ │ 23:45:08 │ Sigil "memory_braid"   │ Loaded       ✓ │ │
│ │ 23:45:05 │ ART Controller         │ Training     ● │ │
│ └─────────────────────────────────────────────────────┘ │
└─────────────────────────────────────────────────────────┘
```
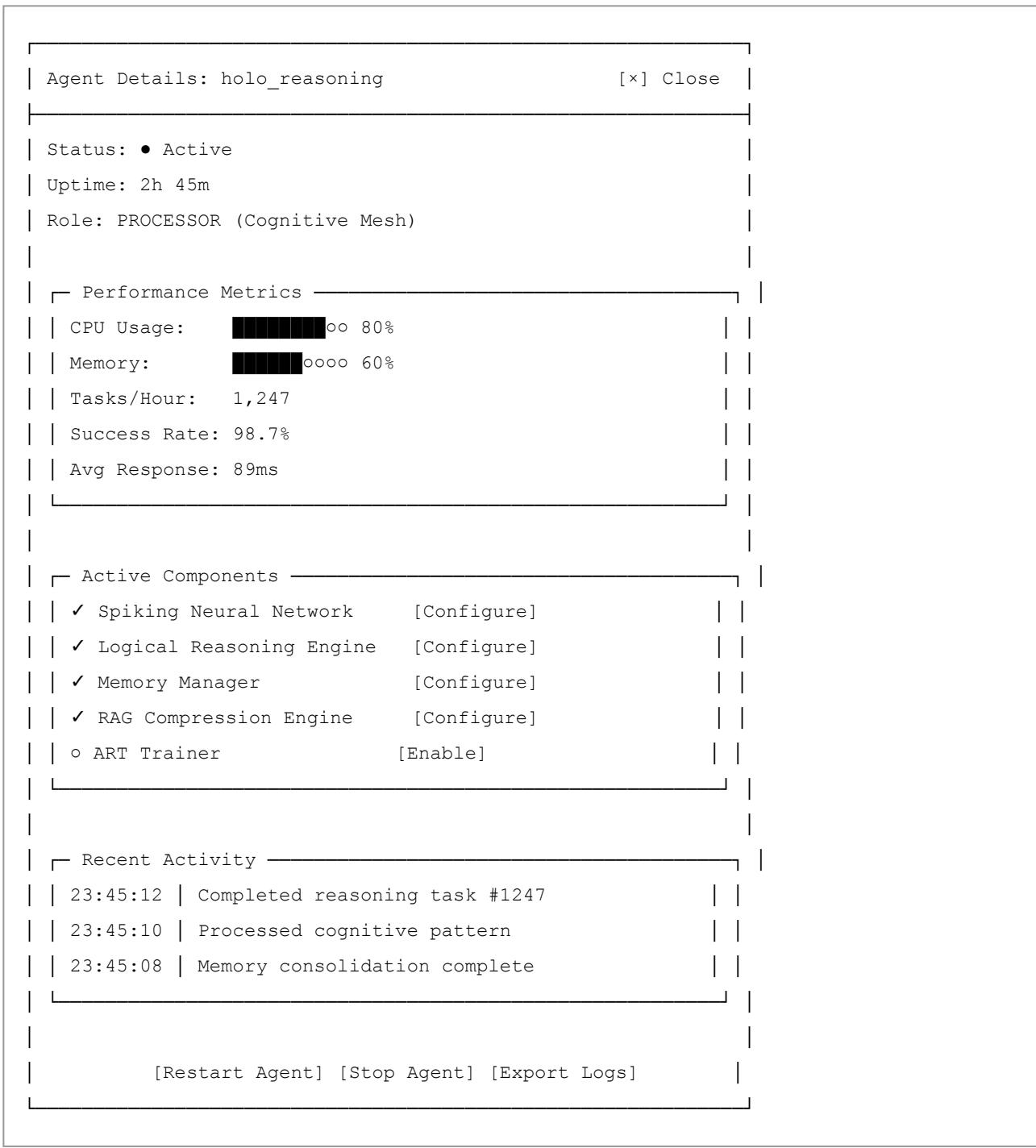
# ☐ Agent Management Page

## Agent Grid Layout

```
┌─────────────────────────────────────────────────────┐
│  Agent Management              [+ Add Agent] [Filter] │
├─────────────────────────────────────────────────────┤
│  ┌───────────────┐ ┌───────────────┐ ┌─────────────┐ │
│  │ ● holo_reasoning │ │ ● rag_processor │ │ ○ art_trainer │ │
│  │                │ │                │ │             │ │
│  │ Role: PROCESSOR │ │ Role: GENERATOR │ │ Role: LEARNER │ │
│  │ Load: ███□○ 80% │ │ Load: ██○○ 60% │ │ Load: ○○○○○ 0% │ │
│  │ Tasks: 1,247   │ │ Tasks: 892     │ │ Tasks: 0    │ │
│  │                │ │                │ │             │ │
│  │ Components:    │ │ Components:    │ │ Components: │ │
│  │ • Spiking NN ✓ │ │ • RAG Engine ✓ │ │ • ART Core ✗ │ │
│  │ • Logic Eng ✓  │ │ • BLT System ✓ │ │ • Neural Net ✗ │ │
│  │ • Memory Mgr ✓ │ │ • Compression ✓ │ │ • Validation ✗ │ │
│  │                │ │                │ │             │ │
│  │ [Details] [Stop] │ │ [Details] [Stop] │ │ [Start] [Fix] │ │
│  └───────────────┘ └───────────────┘ └─────────────┘ │
│                                                       │
│  ┌───────────────┐ ┌───────────────┐ ┌─────────────┐ │
│  │ ● memory_manager │ │ ● sigil_processor │ │ + Add New   │ │
│  │                │ │                │ │             │ │
│  │ Role: MANAGER  │ │ Role: PROCESSOR │ │ Click to add │ │
│  │ Load: █○○○ 40% │ │ Load: █████95% │ │ a new agent │ │
│  │ [Details] [Stop] │ │ [Details] [Stop] │ │ to the mesh │ │
│  └───────────────┘ └───────────────┘ └─────────────┘ │
└─────────────────────────────────────────────────────┘
```

Agent Detail Modal

```
┌──────────────────────────────────────────────────────┐
│ Agent Details: holo_reasoning              [×] Close  │
├──────────────────────────────────────────────────────┤
│ Status: ● Active                                      │
│ Uptime: 2h 45m                                        │
│ Role: PROCESSOR (Cognitive Mesh)                      │
│                                                       │
│ ┌─ Performance Metrics ──────────────────────┐        │
│ │ CPU Usage:    ███████oo 80%                 │ │      │
│ │ Memory:       █████oooo 60%                 │ │      │
│ │ Tasks/Hour:   1,247                         │ │      │
│ │ Success Rate: 98.7%                         │ │      │
│ │ Avg Response: 89ms                          │ │      │
│ └─────────────────────────────────────────────┘ │      │
│                                                       │
│ ┌─ Active Components ─────────────────────────┐       │
│ │ ✓ Spiking Neural Network     [Configure]    │ │      │
│ │ ✓ Logical Reasoning Engine   [Configure]    │ │      │
│ │ ✓ Memory Manager             [Configure]    │ │      │
│ │ ✓ RAG Compression Engine     [Configure]    │ │      │
│ │ o ART Trainer                [Enable]       │ │      │
│ └─────────────────────────────────────────────┘ │      │
│                                                       │
│ ┌─ Recent Activity ───────────────────────────┐       │
│ │ 23:45:12 │ Completed reasoning task #1247    │ │      │
│ │ 23:45:10 │ Processed cognitive pattern       │ │      │
│ │ 23:45:08 │ Memory consolidation complete     │ │      │
│ └─────────────────────────────────────────────┘ │      │
│                                                       │
│        [Restart Agent] [Stop Agent] [Export Logs]     │
└──────────────────────────────────────────────────────┘
```

# ☐ Sigils Management Page

## Sigil Library Layout

```
┌──────────────────────────────────────────────────────────┐
│  Sigil Library                    [+ Create] [Import]    │
├──────────────────────────────────────────────────────────┤
│  Search: [memory_braid.................] [□] [Filter ⌄]   │
├──────────────────────────────────────────────────────────┤
│  ┌────────────────┐ ┌────────────────┐ ┌────────────────┐ │
│  │⟨⟩ memory_braid │ │⟨⟩tree_thoughts │ │⟨⟩jigsaw_assemb │ │
│  │                │ │                │ │                │ │
│  │ Status: ● Active│ │ Status: ● Active│ │ Status: ○ Idle │ │
│  │ Usage: 89.2%   │ │ Usage: 67.4%   │ │ Usage: 0%      │ │
│  │ Bindings: 156  │ │ Bindings: 203  │ │ Bindings: 0    │ │
│  │                │ │                │ │                │ │
│  │ Type: Memory   │ │ Type: Reasoning │ │ Type: Assembly │ │
│  │ Size: 2.4MB    │ │ Size: 1.8MB    │ │ Size: 3.1MB    │ │
│  │                │ │                │ │                │ │
│  │ Enhanced memory │ │ Hierarchical   │ │ Pattern assembly│ │
│  │ pattern storage │ │ thought chains │ │ and integration │ │
│  │                │ │                │ │                │ │
│  │ [Edit] [Deploy] │ │ [Edit] [Deploy] │ │ [Load] [Deploy] │ │
│  └────────────────┘ └────────────────┘ └────────────────┘ │
│                                                            │
│  ┌────────────────┐ ┌────────────────┐ ┌────────────────┐ │
│  │⟨⟩ vanta_core   │ │⟨⟩insight_nucle │ │⟨⟩metamorphosis │ │
│  │                │ │                │ │                │ │
│  │ Status: ● Active│ │ Status: ● Active│ │ Status: ● Active│ │
│  │ Usage: 95.8%   │ │ Usage: 34.7%   │ │ Usage: 78.1%   │ │
│  │ [Edit] [Deploy] │ │ [Edit] [Deploy] │ │ [Edit] [Deploy] │ │
│  └────────────────┘ └────────────────┘ └────────────────┘ │
└──────────────────────────────────────────────────────────┘
```

Sigil Editor Interface

```
Sigil Editor: memory_braid.voxsigil          [Save] [×]

┌─ Sigil Properties ──────┐  ┌─ Visual Editor ──────┐
│ Name: memory_braid      │  │                       │
│ Type: Memory Enhancement│  │   ⟨⟩ memory_braid     │
│ Version: 1.2.3          │  │                       │
│ Author: VoxSigil System │  │   ┌───────────────┐   │
│                         │  │   │  Memory Core  │   │
│ Binding Strength: ██████│  │   │  ┌─────────┐  │   │
│ Temporal Decay: ████oooo│  │   │  │Pattern Net│ │   │
│ Activation Threshold: 0.75│ │  │  └─────────┘  │   │
│                         │  │   │      │        │   │
│ ┌─ Dependencies ──────┐ │  │   │  ┌─────────┐  │   │
│ │ • Base Memory System│ │  │   │  │Enhancement│ │   │
│ │ • Neural Pattern Core│ │  │  │  │  Layer   │ │   │
│ │ • Cognitive Resonance│ │  │  │  └─────────┘  │   │
│ └─────────────────────┘ │  │   └───────────────┘   │
└─────────────────────────┘  └───────────────────────┘

┌─ Sigil Code ──────────────────────────────────┐
│ {                                              │
│   "sigil_name": "memory_braid",                │
│   "type": "memory_enhancement",                │
│   "binding_patterns": [                        │
│     {                                          │
│       "pattern": "memory_consolidation",       │
│       "strength": 0.85,                        │
│       "temporal_window": 300                   │
│     },                                         │
│     {                                          │
│       "pattern": "pattern_enhancement",        │
│       "strength": 0.75,                        │
│       "decay_rate": 0.95                       │
│     }                                          │
│   ]                                            │
│ }                                              │
└────────────────────────────────────────────────┘
```

## ▢ Workflow Orchestration Page

# Workflow Builder

```
┌──────────────────────────────────────────────────────┐
| Workflow Builder                       [Save] [Deploy] |
├──────────────────────────────────────────────────────┤
| ┌─ Workflow Steps ──────────────────────────────┐    |
| |                                                |    |
| |   [Input] → [Agent: PLANNER] → [Agent: PROCESSOR] → |    |
| |                  |                  |          |    |
| |                  ↓                  ↓          |    |
| |            [Decompose]        [Analyze Patterns] |    |
| |                  |                  |          |    |
| |                  ↓                  ↓          |    |
| |        [Agent: CRITIC] ← [Agent: SYNTHESIZER] ← [RAG] | |
| |                  |                  |          |    |
| |                  ↓                  ↓          |    |
| |        [Evaluate] → [Combine Results] → [Output] |   |
| |                                                |    |
| └────────────────────────────────────────────────┘    |
├──────────────────────────────────────────────────────┤
| ┌─ Step Configuration ──────────────────────────┐    |
| | Selected: Agent PROCESSOR                      |    |
| |                                                |    |
| | Agent: holo_reasoning ⌄                        |    |
| | Task Type: pattern_analysis ⌄                  |    |
| | Timeout: 30 seconds                            |    |
| | Retry Count: 3                                 |    |
| |                                                |    |
| | Input Sigils:                                  |    |
| | ☑ memory_braid  ☑ tree_of_thoughts  ☐ jigsaw_assembler| |
| |                                                |    |
| | Success Condition: pattern_confidence > 0.8    |    |
| | Failure Action: retry_with_different_agent     |    |
| └────────────────────────────────────────────────┘    |
└──────────────────────────────────────────────────────┘
```

# ☐ Analytics & Monitoring Page

## Real-time Metrics Dashboard

```
┌────────────────────────────────────────────────────┐
│ System Analytics                    [Export] [⚙]    │
├────────────────────────────────────────────────────┤
│ ┌─ Performance Trends ─────────────────────────┐ │
│ │                                               │ │
│ │  Events/Second │      ┌─┐                      │ │
│ │     2000       │     / \                       │ │
│ │     1500       │    /   \      ┌─┐             │ │
│ │     1000       │   /     \    /   \            │ │
│ │      500       │  /       \__/     \__         │ │
│ │        0       └─────────────────────────┘   │ │
│ │          12:00  13:00  14:00  15:00  16:00    │ │
│ │                                               │ │
│ │  Response Time │                              │ │
│ │     200ms      │     ┌─┐                       │ │
│ │     150ms      │    /  \     ┌─┐              │ │
│ │     100ms      │   /    \___/   \___          │ │
│ │      50ms      │  /              \_           │ │
│ │        0       └─────────────────────────┘   │ │
│ └───────────────────────────────────────────────┘ │
├────────────────────────────────────────────────────┤
│ ┌─ Agent Performance ──────────────────────────┐ │
│ │ holo_reasoning   ██████████████████ 2,456 tasks │ │
│ │ rag_processor    █████████████ 1,832 tasks      │ │
│ │ memory_manager   ██████ 1,234 tasks             │ │
│ │ sigil_processor  ███████████████ 2,103 tasks    │ │
│ │ art_trainer      ██ 567 tasks                   │ │
│ └───────────────────────────────────────────────┘ │
└────────────────────────────────────────────────────┘
```
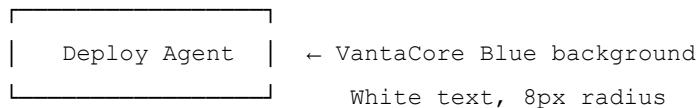
# ☐ Component Specifications
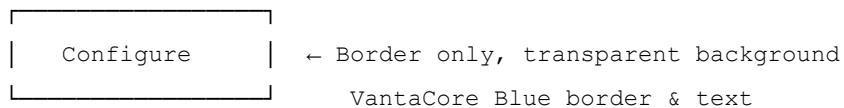
## Interactive Elements

### Buttons

```
Primary Button:

┌─────────────────┐
│   Deploy Agent  │  ← VantaCore Blue background
└─────────────────┘       White text, 8px radius


Secondary Button:

┌─────────────────┐
│    Configure    │  ← Border only, transparent background
└─────────────────┘       VantaCore Blue border & text


Danger Button:

┌─────────────────┐
│    Stop Agent   │  ← Error Red background
└─────────────────┘       White text, 8px radius
```
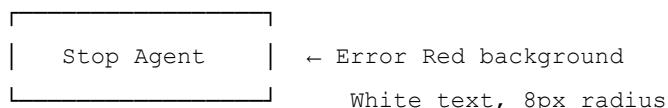
## Status Indicators

```
Active:      ● Green circle
Inactive:    ○ Gray circle
Warning:     ⚠ Orange triangle
Error:       ✗ Red X
Success:     ✓ Green checkmark
Loading:     ◑ Animated spinner
```
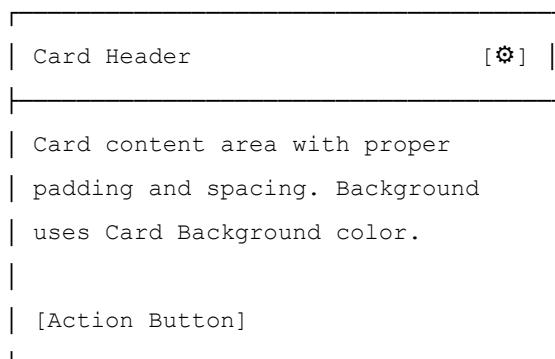
## Progress Bars

```
CPU Usage:  ████████oo 80%
Memory:     ██████oooo 60%
Network:    ██████████ 95%
```

## Cards & Panels

```
┌─────────────────────────────┐
│ Card Header            [⚙] │
├─────────────────────────────┤
│ Card content area with proper │
│ padding and spacing. Background │
│ uses Card Background color.    │
│                               │
│ [Action Button]               │
└─────────────────────────────┘
```

# Responsive Breakpoints

```
Mobile:    < 768px  (Single column layout)
Tablet:    768px+   (Two column layout)
Desktop:   1024px+  (Three+ column layout)
Large:     1440px+  (Full dashboard layout)
```

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# ☐ Figma Implementation Guide

## Layer Structure

```
VantaCore Interface
├── ☐ Design System
│   ├── Colors (Color styles)
│   ├── Typography (Text styles)
│   ├── Components (Button, Card, etc.)
│   └── Icons (Custom icon set)
├── ☐ Mobile Views
│   ├── Dashboard
│   ├── Agents
│   └── Sigils
├── ☐ Desktop Views
│   ├── Main Dashboard
│   ├── Agent Management
│   ├── Sigil Library
│   ├── Workflow Builder
│   └── Analytics
└── ☐ Components
    ├── Navigation
    ├── Cards
    ├── Modals
    └── Forms
```

## Component Library

Create these reusable components in Figma:

1. **AgentCard** - For displaying agent status and info
2. **SigilCard** - For sigil library items
3. **MetricCard** - For dashboard metrics

4. **NavigationBar** - Top navigation
5. **Sidebar** - Left navigation panel
6. **StatusIndicator** - Status dots and badges
7. **ProgressBar** - For showing usage/progress
8. **Modal** - For detail views and configurations
9. **Button** - All button variants
10. **NetworkGraph** - For agent network visualization

# Animation Suggestions

- **Pulse animation** for active status indicators
- **Slide transitions** between pages
- **Fade in/out** for modals and overlays
- **Loading spinners** for async operations
- **Progress animations** for bars and metrics
- **Hover effects** for interactive elements

# Iconography

Design custom icons for:

- ☐ VantaCore logo
- ⟨⟩ Sigil symbols
- ☐ Agent types (PROCESSOR, GENERATOR, etc.)
- ☐ Metrics and analytics
- ⚙ Configuration and settings
- ☐ Workflow and processes
- ☐ Notifications and alerts

# ☐ Implementation Checklist

## Phase 1: Design System

- ☐ Create color palette and styles
- ☐ Set up typography system
- ☐ Design icon library
- ☐ Create component library
- ☐ Establish spacing and layout grids

## Phase 2: Core Layouts

- ☐ Main dashboard layout
- ☐ Navigation structure

- ☐ Agent management interface
- ☐ Sigil library interface
- ☐ Responsive mobile layouts

# Phase 3: Interactive Components

- ☐ Agent cards with status
- ☐ Sigil editor interface
- ☐ Workflow builder
- ☐ Real-time metrics dashboard
- ☐ Modal dialogs and overlays

# Phase 4: Advanced Features

- ☐ Network graph visualization
- ☐ Animation and transitions
- ☐ Dark/light theme support
- ☐ Accessibility considerations
- ☐ Export ready assets

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☐ **This design specification provides everything needed to create a comprehensive Figma design for VantaCore and Sigils. The interface emphasizes clarity, efficiency, and cognitive workflow optimization while maintaining a modern, professional aesthetic.**