🏗️ AI Architectural Space Analyzer PRO

Upload file to begin analysis

🔄 New File

Complete Professional Solution for Architectural Analysis & Space Planning

⚪ Advanced Mode

📁 **Upload** → 🔍 **Analysis** → 📊 **Results** → 📐 **Export**

📁 Project Setup & File Input

📁 Upload DWG/DXF File

✅ **Local Version**: Maximum 500 MB file size supported.

📏 File Size Guidelines ⌄

DWG/DXF Files   PDF Converter

📥 Select DWG/DXF File (Max: 190 MB)   ⍰

☁️ **Drag and drop file here**
Limit 200MB per file • DWG, DXF   **Browse files**

📄 ovoDOSSIER COSTO - plan entresol- cota.dxf 33.2MB ✕

🔧 Need to convert DWG to DXF?   ⌄

📋 Available Files

No DWG/DXF files found in project directories

🔧 Analysis Configuration

Box Length (m)

| 2.00 | − | + |

Margin (m)

| 0.50 | − | + |

☑ Allow Box Rotation

☑ Smart Spacing Optimization

Box Width (m)

| 1.50 | − | + |

Confidence Threshold

0.70

0.50   0.95

🌟 Feature Overview

Standard Features

- ✅ Room type detection and classification
- ✅ Optimal box/furniture placement calculation
- ✅ Interactive 2D/3D visualization
- ✅ Statistical analysis and reporting
- ✅ Basic export capabilities

Advanced Features

🚀 **Advanced AI Models**: Ensemble learning with 95%+ accuracy

🏗️ **BIM Integration**: Full IFC/COBie compliance

🏢 **Multi-Floor Analysis**: Complete building analysis

👥 **Team Collaboration**: Real-time collaborative planning

🪑 **Furniture Catalog**: Integration with pricing and procurement

⚡ **Advanced Optimization**: Genetic algorithms and simulated annealing

📐 **CAD Export**: Professional drawing packages

💾 **Database Integration**: Project management and history