

CANNABIS CULTIVATION SOLUTIONS



**PRO
FIT**

AGRO From the Ground Up

PROJECT PROCESS

- ✓ Defining a Concept
- ✓ Full Integration Design
- ✓ Manufacture
- ✓ Installation
- ✓ Implementation



DEFINING A CONCEPT

Initial Approach

- ✓ **Business Approach** Considering Land, Budget and Desired Yields
- ✓ **Climate Optimization** Analysis to match relevant systems
- ✓ **Technology Examining** Cost Effective Analysis
- ✓ **Regulation** Local and Market Standards (GAP/GMP)



All You Need to Make Informed Decisions



DEFINING A CONCEPT

Our Methodology to reach the best solution for you

Customer preferences

End Product

Medical or Recreational
Flower or Oil
THC or CBD

Agronomic Requirements

Light Intensity & Spectrum
Temperature & Humidity
Irrigation and Fertigation
CO₂ Enrichment
Pest Control

Cultivation Method

Plant capacity per square meter
Growing cycle duration

Data Collection

Global radiation
Temperature
Humidity
Light Hours in a day

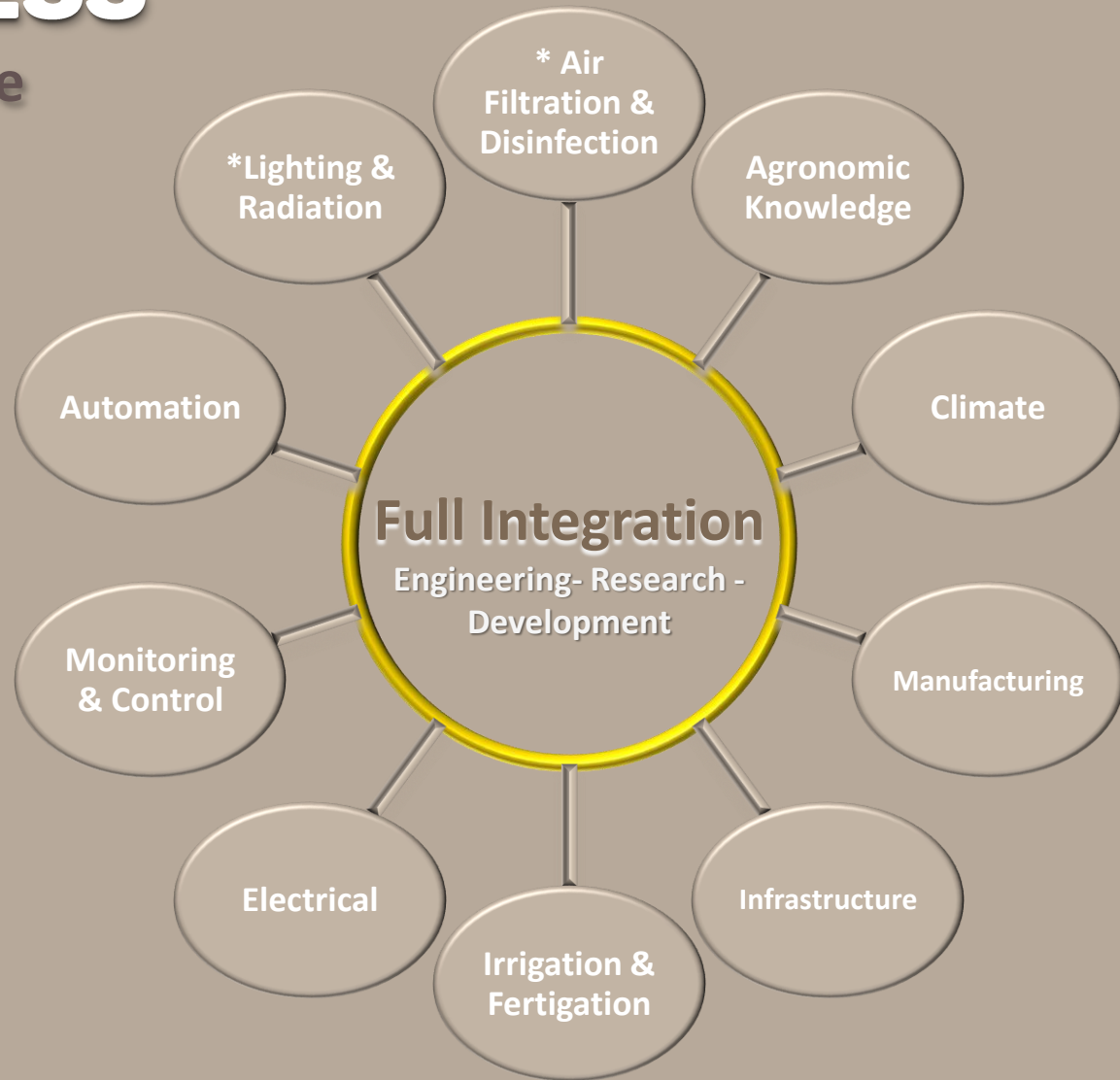
Our Analyses & Experience

Defining Systems & Logistic Approach

- ✓ Structure & Cover
 - ✓ Humidity Control
 - ✓ Ventilation
 - ✓ Lighting
 - ✓ Cooling & Heating
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- ✓ Workflow
 - ✓ Growing systems
 - ✓ Separate growing areas
 - ✓ Harvesting Methods

DESIGN PROCESS

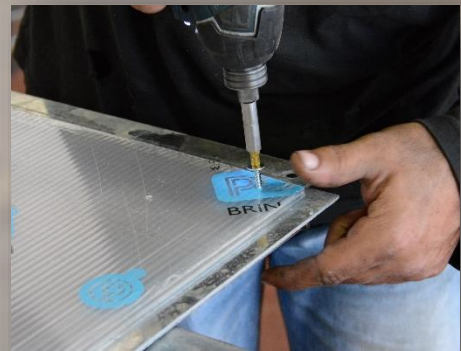
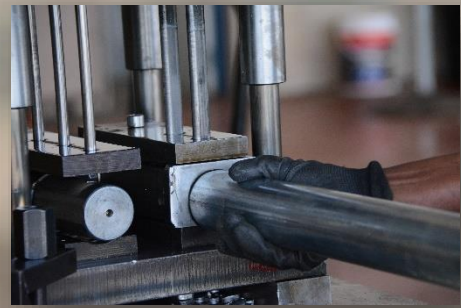
Multidisciplinary Expertise



* In cooperation with leading global experts

MANUFACTURE

In House



Quality
Control



Tailor
Made



INSTALLATION SUPERVISION

A-Z



IMPLEMENTATION

- ✓ Systems Check
- ✓ Trial Runs
- ✓ Optimization



Ensuring Your Success

EXCLUSIVE SOLUTIONS FOR CANNABIS



Concept Optimization

Methodologies for cost effective decisions



F-Clean Cover

Unique, innovative cover solution for optimum light intensity & spectrum



High Dry - Humidity Control

Industrial dehumidification system



Rolling Growing Benches

Maximize growing area capacity



F-CLEAN COVER

- ✓ 94% Light transmission (92% Diffused)
- ✓ Open UV
- ✓ 15-year life span with less than 2% transmission drop
- ✓ Highly resistant to dust, wind, snow and hail

Gain More Growing Cycles

Saving Energy

Increased Yields



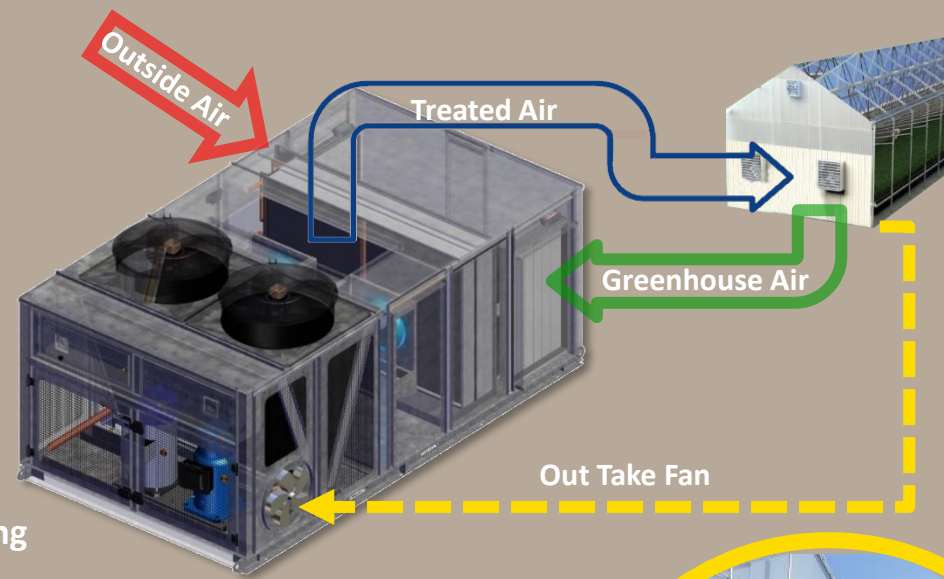
F-CLEAN VS. GLASS VS. PC

Parameter	F-Clean Greenhouse	Glasshouse	PC Greenhouse
Light Transmission	94% For diffuse option 92%	89%	89% first year Reduced by 8% within 7-8 years
UV Transmission	Open	Blocked	Blocked
Light Diffusion	92%	Less than 2%	N/A
Flexibility	Flexible film	Hard Board	Flexible sheet
Anti-Condensate Drip Surface	Yes	No	No
Shade	Lighter structure required – less shade	Heavier structure required – increased shade	Heavier structure required – increased shade
Resistance to Hail	High	Limited	Limited
Wind and Sand	High tolerance for scratching	Very Sensitive	Very Sensitive
Installation	Rolls and locking profiles Quick and Easy	Heavy pieces of glass demand massive manpower, machinery	In sheets

HIGH DRY

Profit-Agro Innovated Dehumidifier

- ✓ **Efficient**
Using either internal or ambient air for energy saving
- ✓ **Disease Control**
Reduces Bud Rot & Botrytis
- ✓ **Versatile**
Controls the greenhouse climate in real time
- ✓ **Control**
Independent Internal controller can connect to a central controller via MODBUS



Developed for extreme humidity levels in cannabis cultivation

HIGH DRY Technical Data

Model	External Air Treatment Unit
Treatment Method	Smart Heat pump
Design Area (one unit)	700-1300 m ²
Ventilation	15,000-25,000 m ³ /H
Dehumidification Capacity:	
S ₁ : Temp: 30°C / RH: 85%	130 L/H
S ₂ : Temp: 18°C / RH: 85%	105 L/H
S ₃ Outside Air 30°C / RH: 60%	330 L/H
Inside Air 32°C / RH: 85%	
Cooling Capacity	Up to 150 Kw
Additional Filtration Optional	HEPA / Ozone
Usable Seasons	Year-Round

ROLLING BENCHES

- ✓ **Modular**

Trellising system & built-in drainage add-ons

- ✓ **Efficient workflow**

Access to all plants by smooth and simple movements

- ✓ **Durable**

Galvanized steel frame with high load bearing capabilities

- ✓ **Customizable**

Available in different height, width and length



Optimizing up to 90% of the growing area

F-Clean Example

Size 25,000 m²

Structures

- F-Clean Greenhouse
Mothers, Propagation, Veg & Flowering
- Light Steel Structure
Postharvest Center

Cultivation Systems

- Separated Veg & Flowering
- Propagations Clean Rooms
- Rolling Benches up to 90%
growing space utilization
- Automated Irrigation & Fertigation System

Climate Systems

- High Dry - Dehumidifier
- Double Screen System
- Photoperiodic Lighting
- Ventilation Systems



Indoor Example

Size 3,000 m²

Structure Type

PC Greenhouse with
Insulated Panel Rooms

Mothers, Propagation, Veg &
Flowering

Cultivation Systems

- Separated Veg & Flowering
- Propagations Clean Rooms
- Rolling Benches
- Automated Irrigation & Fertigation

Climate Systems

- High Dry – Dehumidifier
- Heating and Cooling
- Photosynthetic Lighting



WORLDWIDE AGRICULTURAL PROJECTS



TRUST | HONESTY | PROSPERITY

↑
PRO
FIT
| AGRO