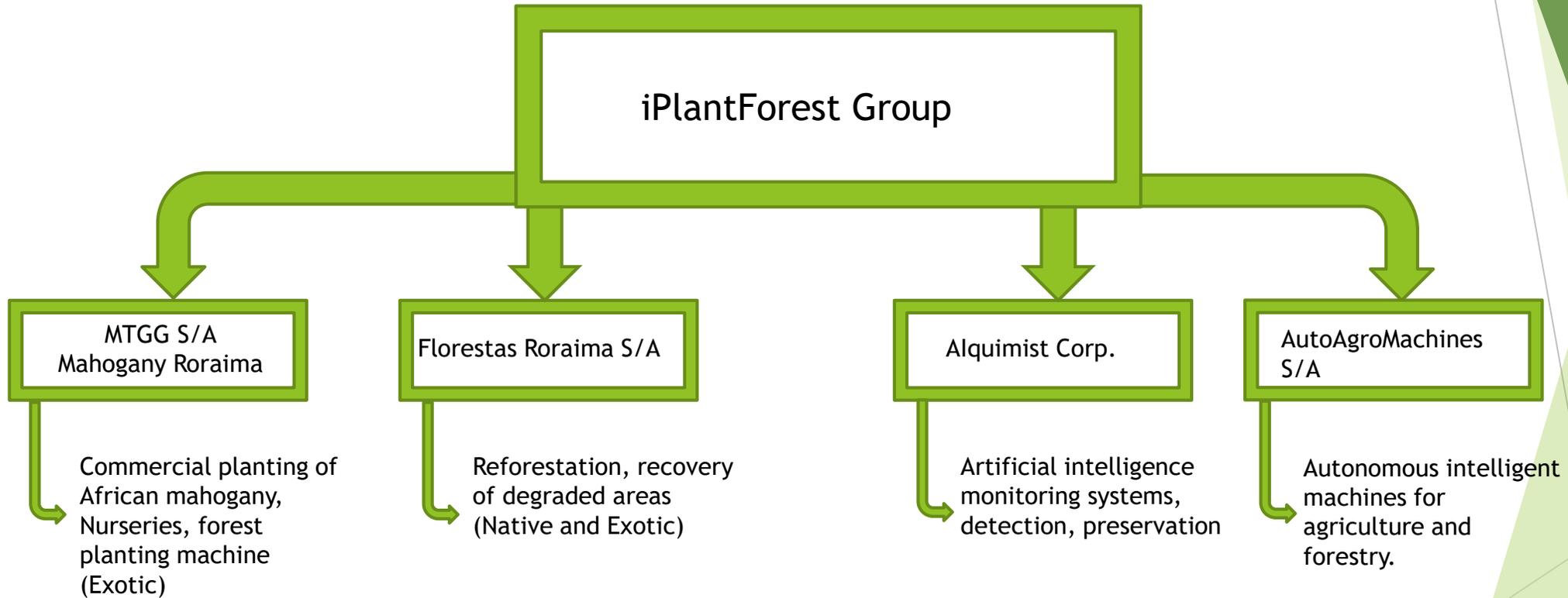


iPlantForest

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# Who we are?



# MTGG S/A - Mahogany Roraima

- ▶ Founded in 2016;
- ▶ It has a planted area of 2,300ha of African Mahogany (R\$ 490 million in biological assets);
- ▶ New land for planting 2,000ha;
- ▶ Agricultural partners and own land;
- ▶ First revenue - sale of Forest Replacement Credit;
- ▶ Law 12.651/12 - Art. 26, § 4 The application for authorization of removal dealt with in the caput will contain, at least, the following information: II - forest replacement or compensation;
- ▶ Sale of wood aged 8, 10, 12 and 18 years;
- ▶ 80% of the MTGG result, 20% agricultural partner.



# Florestas Roraima S/A

- ▶ Founded 2019;
- ▶ Planting of 1,000ha of reforestation to solve environmental liabilities;
- ▶ Planting 50% native species, 50% exotic species;
- ▶ CRF 200 per hectare planted;
- ▶ Trustee of the planted area for 15 years (land owner);
- ▶ Revenues from the sale of bioproducts 100% owner of the land;
- ▶ Revenue from the sale of wood aged 8, 10, 12, 18 years divided with the landowner;
- ▶ Land owner finances planting and receives CRF, Bio, 50% wood;
- ▶ Reforested area (APP and RL) resolves environmental liabilities, reduces fines, assists in administrative, civil and criminal proceedings;
- ▶ Type of client: landowner with liabilities, fines, lawsuits and/or embargoed areas.



# Aiquimist Corporation

- ▶ Founded 2019;
- ▶ Specialized in the development of automation systems;
- ▶ Artificial intelligence;
- ▶ 38 years of experience;
- ▶ Drone with system for detecting diseases in trees, calculating DAP, canopy, need for pruning;
- ▶ First firearm detection system in security cameras;
- ▶ ERP system from the iPlantForest consortium;
- ▶ Arduino system to control the forest planting machine.



# AutoAgroMachines

- ▶ Founded 2022;
- ▶ Specialized in the development of autonomous and intelligent agricultural machines;
- ▶ Agricultural machines for agriculture and forestry;
- ▶ 30 years of experience;
- ▶ Builder of Forest.Bot (patent pending);
- ▶ Partnership with Incomagri;
- ▶ Machines for optical irrigation, intelligent fertilization, pest control, forest inventory, planting and/or forest health, among others;



# The solution for environmental liability

- ▶ We delivered the degraded area recovery project;
- ▶ Owner of the land finances the planting (bank, own resources);
- ▶ The land has to be clean and without stumps;
- ▶ We recovered the area with quick planting of trees (seedlings) - SAF, SSP, ILPF;
- ▶ The CRF (forest replacement credit) will be issued to the landowner;
- ▶ Sale of the CRF;
- ▶ Sale of wood aged 8, 10, 12 and 18 years;
- ▶ Profit from the sale of wood will be shared with the landowner;
- ▶ Sale of bio products (native trees);
- ▶ Expected result with sale of wood per hectare: > BRL 400,000.



# How do we work?



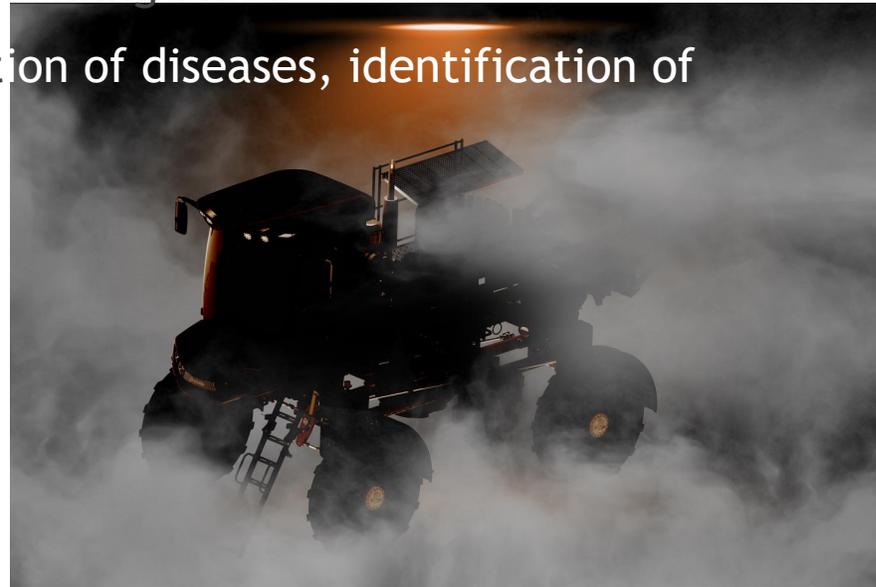
## Forest.Bot

Plants up to 1,800 seedlings/hour, irrigates, georeferences the seedlings, uses AI to check planting quality, works with 2 operators, plants in renovation and installation areas.



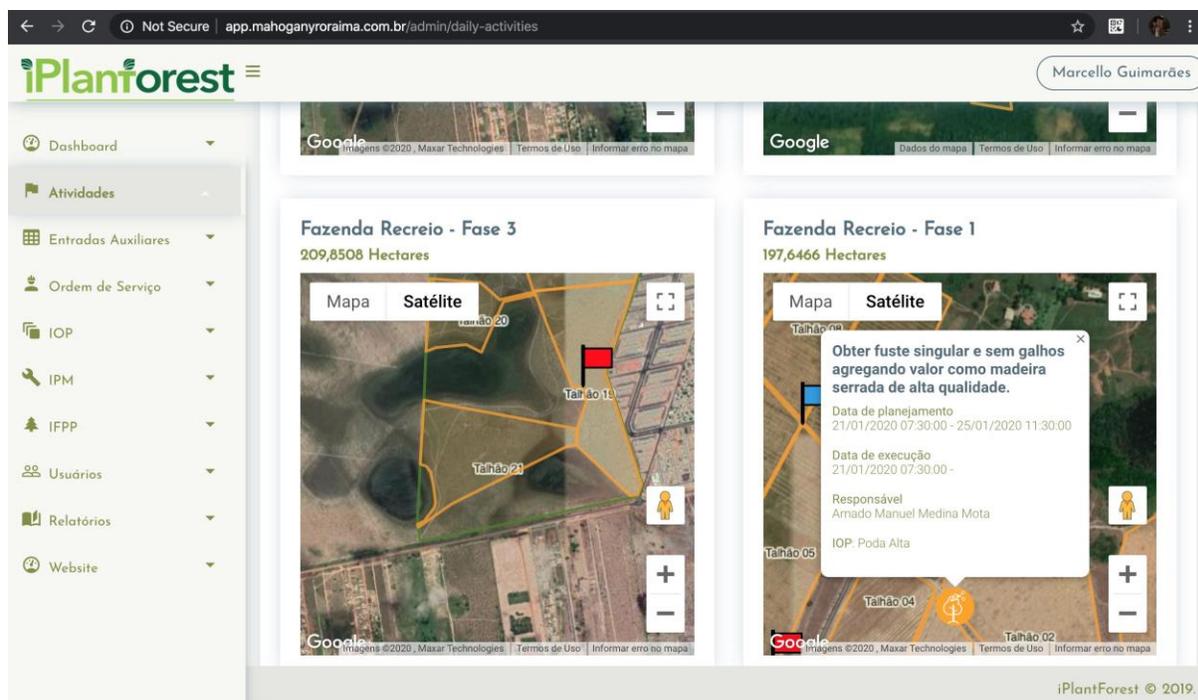
# How do we work?

- ▶ The agTech iPlantForest consortium developed and built the fastest forest planting machine available today (@Forest.Bot).
- ▶ He has experience in planting forests with native and exotic seedlings, etc.
- ▶ Created germination technology that germinates a higher percentage of seeds (98%) and breaks dormancy faster.
- ▶ Each machine: Average plant of 1,800 seedlings/hour.
- ▶ Developed systems using A.I. for detection of diseases, identification of deforestation, fire, etc.



# How do we work?

- Own management system to control forest nurseries and forest (planting and management) - Natives, exotics, ornamentals and fruit trees



Control by maps, S.O., SOIs...



# Images



Forest.Bot



# Images



Seedlings planted by machine (speed and quality)



# Images



Partial view of the nursery in Roraima  
Nursery for 6 million seedlings



# iPlantForest

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[ir.iPlantForest.com](http://ir.iPlantForest.com)

[www.AutoAgroMachines.comz](http://www.AutoAgroMachines.comz)

Whatsapp: +55 95 99125-1095

E-mail: [contact@iPlantForest.com](mailto:contact@iPlantForest.com)

Address: Av. Eng. Luis Carlos Berrini, 1748 - CJ 201

Cidade Monções CEP: 04571-000 - São Paulo - SP - Brasil