iPlantForest

Visit us: www.**iP**lant**F**orest.com

ir.**iP**lant**F**orest.com
www.AutoAgroMachines.com

Who we are?

iPlantForest Group(Mahogany Roraima, Floresta S/A, A.I.quimist, AutoAgroMachines)

AgTech – Forests and nurseries

Own Management System

Autonomous Machines

Artificial intelligence

iPlantforest
and you?

Eu planto Floresta, e você?

Project

Recover areas with environmental liabilities

Produce Forest Replacement Credits

Zero carbon footprint

Produce wood and other riches

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Eu planto Floresta, e você?

Deforestation and Law 12.651/12

- Forest Code, Art. 26, § 4 The application for authorization of suppression... shall contain, at a minimum..., Item II – forest replacement or compensation...

- Is the State complying with Law 12,651 of 5/25/2012 or using MMA IN 06 12/15/2006?

- Vegetation Suppression License for Alternative Soil Use without Replacement or Compensation is not valid.

- Without valid Vegetation Suppression, Installation and Operation License are not valid.

- Art. 33, § 1 Individuals or legal entities that use forestry raw material derived from the suppression of native vegetation are obliged to reforest...

Eu planto Floresta, e você?

Recover deforested areas

▶ Create a clearing house for biological liabilities to reduce environmental fines (state law).

▶ Identify who has environmental liabilities. Monitoring.

▶ Government can use reforestation as a solution. Law 12.651/12 - Cap. X, The program to support and encourage the preservation and recovery of the Environment, Art. 41.

▶ Whoever recovers the deforested areas will be able to reduce the environmental fine and mitigate the civil or criminal proceedings resulting from the crime.

▶ Offer services for the recovery of degraded areas with resources from the Government, Funds or landowners with liabilities. Law No. 12,727, OF OCTOBER 17, 2012.

▶ Planting of native and/or exotic depending on the case.

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and you?

Eu planto Floresta, e você?

Produce Forest Replacement Credits

▶ Encourage forest promotion with financing from Banks, Government or Funds.

▶ Our forests have 99.999% seedlings converted into trees.

▶ Plant forests to produce CRF (Forest Replacement Credit).

▶ Plant suppression licenses need a CRF to be valid.

▶ Charcoal production needs CRF.

▶ Those with environmental liabilities need a CRF to offset liabilities.

▶ Revenue from the sale of CRF is shared with the landowner.

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Zero Carbon Footprint

► Plant Native, Exotic, Native/Exotic, Fruit and/or Ornamental.

► Plant an average of 30 trees per inhabitant.

► The loss of seedlings in our system is only 0.0001%.

► The State that encourages the planting of forests can zero the carbon footprint of its inhabitants.

► Companies or individuals that plant or finance the planting of trees can zero their carbon emissions.

► Let's build a State with Zero Carbon Emissions, or, Zero Carbon Footprint.

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Eu planto Floresta, e você?

Wood for cutting

▶ Planting forests is a solution to illegal logging.

▶ Our planting method has the highest percentage of conversion of seedlings into trees. Much superior to the "muvuca" system that converts less than 4%.

▶ Planted areas can be replanted after clear cutting to produce more wood.

▶ Approximate cost per hectare ranges from R$30,000 to R$50,000/ha.

▶ Exotic tree cuts can be 8, 10, 12, 18 or more years old.

▶ The harvest revenue will be shared with the landowners.

▶ Expected revenue: approximately R$ 400 thousand/ha.

▶ Stakes, fences, etc can be produced legally with this project.

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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.
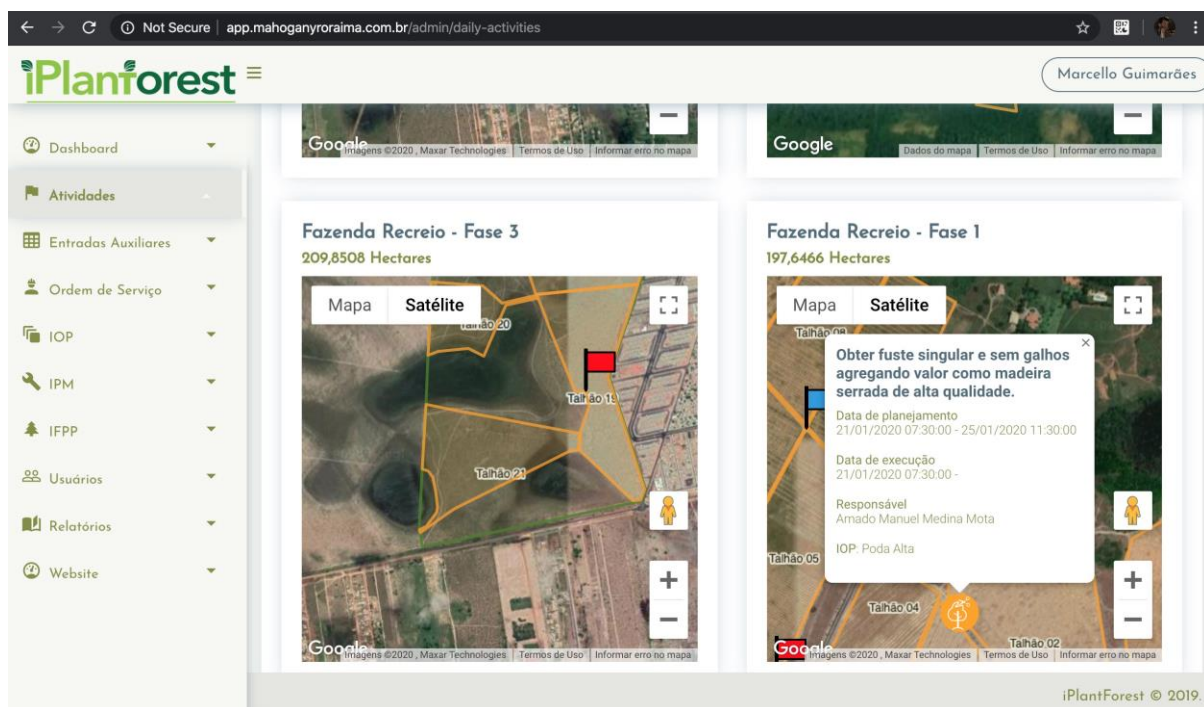
How do we work?

- ▶ 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.

iPlantforest
and you?

Eu planto Floresta, e você?

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

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