

# Construction of 100 Sustainable, Sports synthetic Fields on Parks in Bogota

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**Year of commitment :** 2018

**Address 1 - street :** BOGOTA, Colombia

**Diameter :** 15

**Sustainable mobility :** Pedestrian Mobility, Urban furniture, Accessibility

**Water cycle :** Other

**Circular economy and waste management :** Reuse, Optimization of resources



25 000 000 €

**Builder**

The District Institute of Recreation and Sport (IDRD)

**Manager / Dealer**

The District Institute of Recreation and Sport (IDRD)

## GENERAL INFORMATION

Bogotá city, Colombia's capital has a population of around eight million people, which generates a constant requirement of green public space for the enjoyment of citizens. The District Institute of Recreation and Sport (IDRD) is in charge of the District System of Parks. These are a set of green spaces that act as regulators of the environmental balance, constitute an element of the natural patrimony and contribute to guarantee the free space destined to recreation, contemplation and leisure of the citizens. However, the high amount of population has as a consequence, a deficit of public and green space for the city.

Committed with environmental sustainability and wellbeing of the people, and taking into account the climatic and social conditions of the city hinder the constant maintenance of green spaces, the IDRD proposed an alternative to generate public space, which consisted in designing a public investment project between 2016 and 2018, to carry out the construction of 100 synthetic fields throughout the city, prioritizing the areas with the greatest population and deficit of public space. This intervention increased public space availability in 244,000 m<sup>2</sup> of green areas for sports practice and leisure. Also this initiative allows the reuse of recyclable materials, reduces water consumption for maintenance, suppress the use of fertilizers and pesticides, and promotes water regulation.

## Progress Status

Delivered

## Data Reliability

Self-declared

## Funding Type

Public

## Website Enterprise / Infrastructure

<https://idrd.gov.co/obras-0>

<https://www.idrd.gov.co/noticias/bogota-tiene-100-canchas-sinteticas>

## Sustainable Development

Attractiveness :

The 100 sports artificial fields allow amusement and proper use of free time with green, big, clean, lit and safe spaces, promoting the use of public space in cultural, recreational and sports activities. Also, parents can bond with their children in spaces that strengthen family life.

Well Being :

These sports artificial fields promote people wellness because they provide recreational spaces for sports such as football, rugby, ultimate, yoga and athletics, generating healthy habits and better health. Before, these spaces could not be used at night due to lack of security, but once the management was done, the fields started being illuminated at night, which created a safer space for the zones social dynamics.

Social Cohesion :

The existence of these sports fields allows the interaction of different kinds of people, cultures, socio-economic levels and conditions, promoting social equity and inclusion in the city. Before, practicing sports wasn't an easy option for everyone, but now, because of the construction of these scenarios, everyone can make history. Disability entered in the game as adapted and inclusive sports.

Preservation / Environmental Improvement :

### Recycling in action

The environmental impact is remarkable. The adaptation and construction of the 100 artificial fields has allowed to recycle approximately 497,500 tires, which are equivalent to 4,146 ton of crumb rubber. With the adequacy of the 100 artificial fields on Bogotá, 93,516 cubic meters of water are being saved. This saving is equivalent to the consumption of 3.340 people in a year. An artificial field does not require water, fertilizers, or pesticides.

Resilience :

Because of the creation of these sports artificial fields, citizens who were lost in drugs and alcohol had been reincorporated into society and now they are encouraged in sports and healthy lifestyle habits, building new opportunities to be better citizens.

The annual savings for the maintenance and recovery of the 100 artificial fields, compared to natural grass scenarios, it's approximately of \$2,670,000,000 COP per year (1 million USD).

Responsible use of resources :

### Less pollution

In each natural field fixing it is required approximately 64 m3 of black earth. With the adequacy of the 100 artificial fields on Bogotá, 2,500 m3 of this material are not being extracted. In addition, approximately 150 kg of fertilizers are applied for fixing and 50 kg are applied for maintenance, per month. With the adequacy of the 100 artificial fields of Bogotá, 30 ton of fertilizers are no longer applied to the land.

## Testimony / Feedback

### **Jeison Piñeros** (ex junkie)

*Changed his life with the possibility of sport in a synthetic field. His dream of playing football was lost in the streets of the Bronx (drugs hotspot). Today he forges his present after a ball in the synthetic court of El Tunal. "My life is another. Thanks to this possibility my life had a total change. This moment is very important for me and thanks to this field where I spend a good part of my time, I dream of the Colombian shirt to defend its colors," he says.*

### **Team Titans** (handicap people)

*With courage, perseverance and discipline, they overcame a crisis. Playing sports had been left behind, until a stage opened its doors and the challenge was overcome to mark a story. Disability entered the field from adapted and inclusive sports. They are The Titans and they play in the La Estancia court. "When things are in the mind, the disability goes into the background and there is no impediment and football, in and of itself, is my love," says José Eliseo Suárez, a Titan.*



## Governance

The District Institute of Recreation and Sport (IDRD)

Holder Type : Local Authority

The District Institute of Recreation and Sport (IDRD)

Builder Type : Other

The District Institute of Recreation and Sport (IDRD)

Manager / Dealer Type : Public

The construction of synthetic fields, it has allowed the recovery of public space and its effective use by citizens.

It encourages social interaction, the use of free time, the practice of physical activity and the cultural expressions of communities.

The security conditions of the intervened places have improved, generating social appropriation and territorial management.

**Business Model :**

The city government collects taxes for the operation of the city, part of the resources are used to recreation and sports, and the construction of the 100 synthetic fields.

These fields are built with citizens' money and are free to use for them. However, the organizations sports teams and sports schools pay a rent for the use of the fields, this income allows to perform maintenance and ensure the sustainability of the investment and keep the facilities in good condition.

### Sustainable Solutions

**Synthetic turf to recover public space with effective use**

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- Governance :
- Quality of life :
- Resources :
- Urban project governance
- Proximity services
- Circular economy

Company (es) Website :

### Contest

**Reasons for participating in the competition(s)**

- The materials used in the field come from recycle tires
- Improves social interaction and quality of life by promoting sports
- Creates a safer environment in the neighborhood
- Preserve natural resources

**Building candidate in the category**



Sustainable Infrastructure Grand Prize



Users' Choice



