



TECHNICAL SPECIFICATIONS RELATING TO THE CONTRACT FOR THE CREATION AND
**PRODUCTION OF AN ANIMATED FILM FOR THE 4D “DIDIDADO” CINEMA AT PARC
D’ATRACCIONS TIBIDABO, INCLUDING PRE-PRODUCTION, PRODUCTION, POST-
PRODUCTION, SUPPLY, INSTALLATION, AND MAINTENANCE**



1. BACKGROUND

1.1 About us

Barcelona de Serveis Municipals (BSM) is a commercial company wholly owned by the Ajuntament de Barcelona. BSM's purpose is to improve the quality of people's lives by creating positive experiences in order to make Barcelona a healthy, leading city. Its management model rests on four cornerstones: providing added-value services for the city and its residents; putting people at the centre, with a special focus on customers and developing talent; continuous improvement and permanent adaptation, putting special emphasis on digitalisation and innovation; and economic and environmental sustainability, invariably seeking a balance between economic and social return from investments. B:SM is a benchmark and pioneering in the field of mobility, culture and leisure and looking after public spaces in Barcelona.

BSM manages Parc d'Atraccions Tibidabo and is responsible for overseeing its operation as a Barcelona attraction, as well as the Panoramic Area, the Cuca de Llum (Firefly) Funicular and the food and beverage establishments within the venue.

1.2. Tibidabo's Vision and Purpose

Parc d'Atraccions Tibidabo is a century-old park in the city of Barcelona whose purpose is "making those who interact with Tibidabo feel happy," along with the vision of "Being the park of happiness".

1.3. Tibidabo's values

Our guiding values are:

- **Safety:** We guarantee and prioritise the safety of people, facilities, and data. We are thorough and strictly adhere to all safety regulations.
- **Commitment:** We align team objectives with the organisation's purpose. We add value for our stakeholders by involving all individuals;
- **Making a difference:** We promote social, educational, and environmental initiatives to raise awareness and team up with organisations that work towards improving society. We create a sense of unity and cohesion grounded in responsibility, empathy, and collaboration.
- **Enthusiasm:** We foster active listening and incorporate people's ideas in order to promote positive emotions and build trusting relationships.





- Passion for People: We create the best experiences and exciting moments by constantly working to understand people. We work as a team and establish strong relationships based on collaboration, respect, and recognition.

1.4. **Strategic pillars of Parc d'Atraccions Tibidabo:**

The four strategic pillars of the Parc d'Atraccions Tibidabo are:

1.4.1. *Making a difference*

Tibidabo is a socially responsible park that works to implement projects and social initiatives aimed at various vulnerable groups and organisations working with individuals at risk of social exclusion, as well as supporting and organising cultural and educational events.

Main initiatives:

- UNICEF: The Park for Children. Tibidabo must become the Park for Children, carrying out support and awareness-raising work in partnership with the above Foundation.
- Carrying out initiatives under agreements with NGOs and non-profit organisations and awareness-raising festivals such as Summer without Barriers and the Choir Festival.
- Other cultural initiatives include the fundraising concert with Vozes, a music-based social project that promotes integration and social change through music, as well as the TIBITOUR, a guided tour of the park.
- Social initiatives: Family prices, such as the Tibiclub Pass, and advantages for underprivileged groups. Recruiting from Social Insertion centres.

1.4.2. *Education*

As an educational park, Tibidabo offers various activities that promote learning at different levels and are accessible to everyone. Additionally, the park promotes the STEAM method: science/experimentation (science), technology/building (technology), engineering/designing (engineering), art/artistic expression (arts), mathematics/calculating (mathematics). This innovative educational method emphasises teamwork, curiosity, the exchange of ideas, and the trial-and-error method.

Main initiatives:

- New activities and recreational/educational areas such as the LEGO area.
- Fisidabo Labshow is an educational project created in collaboration with the Polytechnic University of Catalonia (UPC), aimed at making physics more accessible for teenagers.
- Food options: developing the concept of healthy and sustainable eating.



1.4.3. Sustainability

Environmental management is one of the most important areas of Tibidabo's operations, due to the significant consumption of natural resources and the need to prevent any environmental impact on the surroundings, as Tibidabo is located at the edge of the Collserola Natural Park.

Through the implementation of its own Sustainability Plan, Tibidabo is working to achieve a sustainable park and, in doing so, contribute to the overall resilience and sustainability of the ecosystem we are integrated into (Collserola Park), in parallel with the Sustainable Development Goals (SDGs).

Main initiatives:

- Promoting the use of public transport to access the park's facilities.
- Increasing the park's energy self-sufficiency by installing solar panels.
- Conducting energy audits and implementing the necessary initiatives.
- Minimising and rationalising consumption.
- Maximising selective waste collection and minimising the waste that is generated.

1.4.4. Experiences

The Park is becoming an experience creator, focusing on the continuous improvement of its services for customers, involving all stakeholders in management, and ensuring quality and excellence in all procedures. This improvement is based on active listening to all stakeholder groups (customers, employees, and suppliers).

Main initiatives:

- Renovation and installation of new attractions, creating virtual reality experiences. Renovations and revamping of existing attractions, preserving our historical and cultural heritage and that of the city of Barcelona.
- Renovation of current food venues.
- Improved food options to turn the Park into a standard-bearer for healthy eating. Excellence in management:
- Working in line with the EFQM Excellence Model in business management and obtaining the silver seal.
- New SGE21:2017 Certification, demonstrating our compliance with this ethics and social responsibility standard.



2. QUALITY AND ENVIRONMENT POLICY

At Parc d'Atraccions Tibidabo, we are aware of the importance of promoting the development of sustainable tourism and establish our objectives in alignment with the Sustainable Development Goals (SDGs) approved in the United Nations 2030 Agenda. To achieve our commitments, we have established a Comprehensive Management System defined by the requirements of the UNE-EN ISO9001, UNE-EN ISO14001, and SGE21 standards, based on the EFQM model and adhering to the BIOSPHERE certification.

2.1. Commitment to customers

- Offer thrilling attractions, shows and activities for all ages, with dynamic, renovated and innovative options.
- Provide customers with a range of digital and physical channels that enable smooth communication.
- Value their contributions, by studying their feasibility, and adopt a commitment to respond and implement them within a framework of fast and efficient active listening.
- Guarantee that they are treated with courtesy, respect and effectiveness.

2.2. Commitment to employees

- Provide workers with ongoing and appropriate training to strengthen their aptitudes and skills and guarantee their professional development within the company.
- Carry out our activity in a way that always ensures the health and safety of our workers.
- Ensure a workplace based on respect and maintain effective two-way communication channels, which guarantee easy access to them and reliable information.
- Involve our workers in park management through active listening and participation projects, such as B:SM CREA.

2.3. Commitment to facilities

- Offer safe, clean facilities and a good image.
- We're working to adapt the facilities for universal accessibility.
- Maintain the park's current heritage, respecting the past, valuing the present and moving towards the future.



2.4. Commitment to society

- Carry out initiatives for groups that are underprivileged due to their physical, psychiatric or social conditions.
- Promote the educational values of the park and impart knowledge through the range of attractions, educational activities, and other learning opportunities that may be developed.
- Manage natural resources, waste and mobility under efficiency and sustainability criteria for efficient and optimal access to the Park, including a commitment to protecting the environment and preventing pollution.
- **Act to improve Tibidabo's integration in Collserola Park's natural environment.**
- Promote and disseminate environmental culture and involve all the players concerned. We provide stakeholder with various communication channels, valuing their contributions, assessing their feasibility, and adopting a commitment to address and/or implement them.
- Transparency with the goal of informing society of commercial, financial and management issues and the company's profits.

3. SUBJECT MATTER

This is a contract for the creation and production of an animated film for the 4D "DIDIDADO" cinema at Parc d'Atraccions Tibidabo, including pre-production, production, post-production, supply, installation, and maintenance.

4. TECHNICAL CHARACTERISTICS OF THE CINEMA

The cinema has a capacity for 70 people and a floor area of 110 m². The projection screen is 40 m² in area and with a 5% curvature.

The projection system consists of two 3D projectors with a resolution of 1,920x1,080 and a brightness of 6,000 lumens. The projectors are 14 metres from the projection screen. The cinema has a complete high-quality Meyer sound system installed.

Its 70 seats have the capacity of mimicking the following effects:

- Forward and backward horizontal movement.
- Vibration of the entire seat.
- Water sprinklers aimed at a person's face.
- Air pump aimed at a person's face.
- Air pump aimed at the back of a person's neck.

- Air pumps causing small tubes to move and strike people's legs.

In addition, the cinema has the following effects:

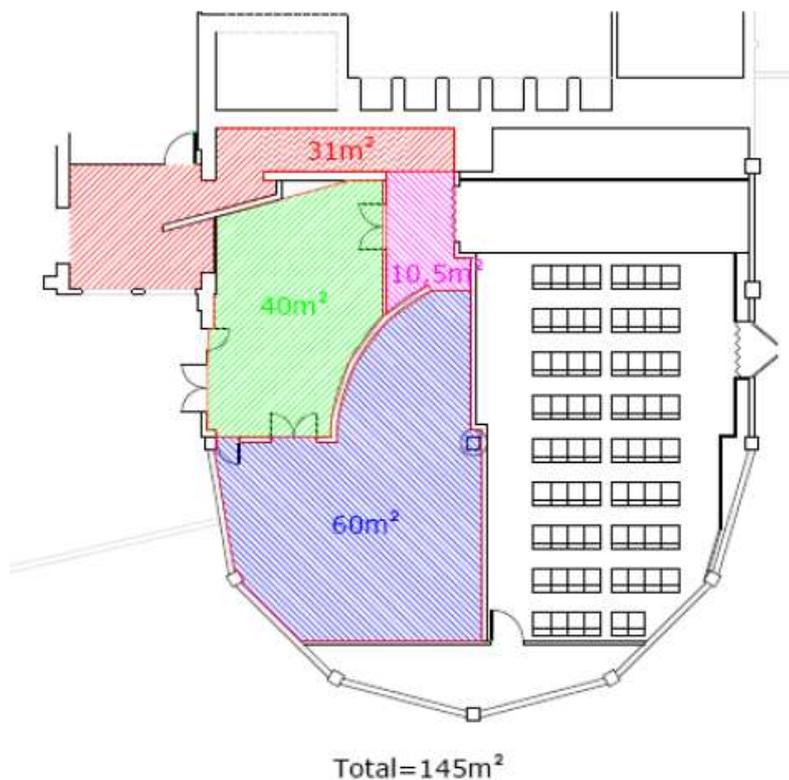
- Wind effect caused by four fans installed in the room.
- Strobe light effect.

The cinema has all the necessary installations for producing all the above-mentioned effects and the system was built by the company KRAFTWERK.

The characteristics of the waiting areas and preshow spaces before the projection room are detailed in the following blueprints:

Entrance Room: 40 m² outlined in Green (approx. 20-minute stay for customers)

Pre-show Room: 60 m² outlined in Blue has an integral sound team with projector and projection screen (approx. 20-minute stay for clients)





The film must incorporate all the effects available in the BSMSA system, manufactured by KRAFTWERK. (specifications in point 4 of this technical document), with at least two actions for each effect.

Among the 3D visual effects, the film must include the effect of elements emerging from the screen towards the viewers.

All production, post-production, dubbing, installation, and setup costs for the films shall be borne by the successful bidder. Maintenance shall be included for the contract period of 2.5 years.

5.3. Content

The content must be suitable and classified for all audiences, without any violence, weapons, or blood. Furthermore, there must be no discriminatory content related to gender, religion, race, sexual orientation, disability, or any other personal characteristics. Additionally, the content must promote positive values such as respect, inclusion, equality, and peaceful coexistence.

Charismatic characters: The main characters must be the lovable mascots TI, BI, DA, and BO, maintaining their distinctive personalities (Annex 1). Any additional characters, whether animals, fantastical creatures, or humans with special abilities, must be engaging and connect with the audience.

The mascots must retain their current graphic identity, adhering to their style guide.

Exciting plot: There must be a clear storyline with action, mystery, and surprises. The adventures must take the characters to new and exciting locations. The storyline must be easy to understand, regardless of the dialogue, and follow a classic structure: beginning, middle, and end.

It is essential that this storyline aligns perfectly with the **identity of Parc d'Atraccions Tibidabo** in terms of its vision, purpose, values, and strategic pillars, especially emphasising the educational aspect in any form (literature, history, geography, and other disciplines)

Humour and gags: Comic moments are essential. The film must include absurd situations, wordplay, funny falls, and other elements that will make viewers, especially children but adults as well, laugh.



Positive message: While fun is the primary goal, the film should convey values such as friendship, courage, perseverance, and the importance of teamwork.

Varied settings: The locations where the adventures take place must be visually appealing and diverse, ranging from enchanted forests to futuristic cities. In this case, key settings could include the city of Barcelona, Collserola Park, or Parc d'Atraccions Tibidabo, offering a mix of urban and natural landscapes that will enhance the story.

Catchy music and sound effects: The film must feature an animated and catchy soundtrack, along with sound effects that enhance the impact of the scenes, making them more exciting and fun. The music must be original, not subject to any future copyright payments.

Witty dialogue: The little dialogue there must be quick and lively, with memorable lines that the audience will recall and repeat. This dialogue must complement the understanding of the script for the story itself, ensuring that the narrative can be followed independently of the dialogue. Additionally, the dialogue must be dubbed in Catalan.

5.4. Other spaces related to the Attraction

In this case, the overall experience of the “Dididado” 4D cinema attraction at the amusement park consists not only of the film showing but also of the time spent by visitors in two waiting rooms before going into the screening room (as outlined in section 4 of this technical document). These waiting rooms have preliminary attractions, and visitors are expected to wait for approximately the following times: Entrance room (5 to 10 minutes) Pre-show room (10 to 15 minutes).

Therefore, alongside the supply of the film, the successful bidder must also provide the following elements, included in the bidding amount, to enable BSMSA to provide entertainment in these two spaces:

2D Video Trailer to project in the pre-show space: The successful bidder must supply a 2D video trailer approximately 4-7 minutes long for BSMSA to play in the pre-show room. This video trailer should not be a compilation of clips from the actual film but should have a separate script and content, serving as an introduction or presentation for the film.



Graphic design for posters and physical displays: The successful bidder must design images such as the presentation poster for the film and other elements to allow BSMSA to promote the film through its website and in national media outlets, as well as print decorative items for the cinema rooms.

In the event of a 2-year extension, the successful bidder shall produce a new, different film. Although the technical specifications of this document must be maintained, the successful bidder must submit a script proposal to be approved by BSM.

The film installation, which must be carried out before the first week of February 2026, includes the **successful bidder hiring, subject to BSMSA's approval, a company with** the know-how to program the film effects described in these Specifications, for the purposes of being able to view the film and all its effects both in terms of the format of the file and in protocols of effects which are compatible with the installation (the system is manufactured by the company KRAFTWERK).

5.5. Exclusivity

The film covered in the contract will have exclusive reproduction rights within Spain. The successful bidder may distribute and market the film by offering reproduction licences in other countries.

6. FILM MAINTENANCE

The successful bidder must resolve any technical problems directly attributable to the film (for example, image or sound) within a maximum period of 36 hours following notification from BSM.

7. OTHER OBLIGATIONS OF THE SUCCESSFUL BIDDER

The successful bidder shall bear the costs and expenses for obtaining authorisations, licences and any information from official organisations or individuals, taxes, rates, compensation and other burdens and/or expenses that may apply under the current legislation in force, in the manner and quantity stated.

The successful bidder undertakes to comply with the provisions set out by the legislation in force regarding the rights and obligations of service-company staff with valid contracts with BSM.

The successful bidder shall be responsible for translating all films into Catalan.



8. SPECIFICATIONS WITH REGARD TO OCCUPATIONAL RISK PREVENTION

The CONTRACTOR declares that it is aware of and undertakes to comply with all obligations applicable to this contract arising from regulations on Occupational Risk Prevention, and specifically:

1. Act 28/2005, on health measures regarding smoking and regulation of the sale, supply, consumption, and advertising of tobacco products, of 26 December 2005. In this sense, the consumption of tobacco is prohibited in all the facility's premises.

2. Under Occupational Risk Prevention Act 31/1995, Article 24 regarding Coordination of Business Activities, the CONTRACTOR is obliged to provide BSM with the following documents, at least in Catalan, no later than 15 days before production:

- i. Assessment of the risks related to the activity that the CONTRACTOR plans to carry out.
- ii. A prevention plan in order to control any detected risks.
- iii. Prevention and protection measures that BSM staff must take into account regarding these risks.
- iv. A list of workers that will have access to the facilities.
- v. A list of certified sub-contracted companies showing the corresponding exchange of documents with them (where applicable).
- vi. Letter for the designation of Preventative Resources (where applicable).
- vii. Letter designating the Coordinator of Business Activities regarding Prevention of Occupational Risks (where applicable).
- viii. Certificate for provision of personal protective equipment (PPE) or a letter justifying the provision and express compliance according to RD 1215/1997 and RD 773/1997 regarding Work Equipment, anti-fall devices and PPE, with the manufacturer's instructions referring to their revision and maintenance (where applicable).
- ix. Proof of worker training establishing that they have been informed of the risks they are exposed to and the protective measures that they should take into account.
- x. Monitoring health: Medical fitness certificates for workers defined in the list or, if not, a certificate specifying that: The risks detected in the risk assessment are not regulated by any legal provision in relation to the protection of specific risks and especially dangerous activities, as indicated in Article 22 of the Prevention of Occupational Risks Act, and that therefore the working conditions do not have negative effects on the health of the workers.



For its part, BSM has provided the CONTRACTOR with the following documentation:

- i. Assessment of risks and corrective measures.
- ii. Emergency plan

9. ENVIRONMENTAL AND SOCIAL SUSTAINABILITY

At B:SM, as signatories of the United Nations Global Compact, we are committed to environmental and social sustainability, adopting its 10 Principles and working towards achieving the Sustainable Development Goals of the 2030 Agenda. At Parc d'Atraccions Tibidabo, we manage our activities sustainably, reducing negative impacts and enhancing positive ones. This translates into the incorporation of environmental and social requirements that we pass on and require from our stakeholders.

Therefore, companies or organisations operating within our facilities must comply with the following minimum mandatory requirements:

9.1 Environmental

Work in an environmentally friendly way, avoiding negative impacts. This implies:

- Compliance with current legal regulations regarding the environment (emissions, spills, waste, etc.). Evidence may be requested to verify compliance.
- Waste generated as a result of the activity carried out shall be separated, stored, and managed in accordance with B:SM's internal procedures. Evidence may be requested to verify proper waste management. A minimum of 35% waste sorting is required.
- Disposing of liquid or solid waste into toilets, the sewage network, or directly onto the street or garden areas is prohibited.
- Vehicles, machinery and equipment used during the activity must be well maintained, guaranteeing their proper operation and avoiding any impacts on the environment. Evidence of the proper condition of the equipment and vehicles to be used may be requested.
- In the event of an emergency, or if the environment is harmed in the routine performance of the work, the head of the Operations department must be informed immediately so that they may take the appropriate measures in accordance with BSM's procedures. The use of single-use plastic materials is prohibited, as per the European Directive approved in 2019 on



the reduction of the impact of certain plastic products on the environment. CONTRACTORS must use alternative materials or reusable products.

9.2 Social

Work to guarantee human rights and have positive impacts on society, which implies:

- Compliance with current legal regulations regarding social matters (labour, social security, safety and health, etc.) is required. Evidence may be requested to verify compliance.
- **Anyone working within B:SM's facilities must accept responsibility for respecting internationally recognised human rights. This requires adherence to B:SM's Ethical Code by signing the present contract and ensuring that the information contained within it is shared with all involved parties. The Code can be accessed on the B:SM website at: <https://transparencia.bsmsa.cat/en/know-BSM/code-ethics>**
- Compliance with Framework Act 3/2007 of 22 March, and Royal Decree-Law 6/2019 of 1 March, demonstrating gender equality is required. Evidence may be requested to verify compliance, such as the Equality Plan, or, if exempt from this obligation, practices or policies related to equality.
- Non-discrimination based on birth, race, sex, religion, opinion, or any other personal or social condition or circumstance must be guaranteed. Evidence may be requested to verify compliance, such as the provision of the sexual and gender-based harassment protocol (Royal Decree 901/2020), salary records (Royal Decree 902/2020), or any other evidence deemed necessary.

Barcelona,

Sergio Roldan Gutiérrez

Head of the Administration and Management Oversight Area – Parc d'Atraccions Tibidabo Division

Barcelona de Serveis Municipals S.A.

Annex 1 Characteristics of the Mascots



INTRODUCTION

The TIBIDABO mascots are a group of four animals designed by illustrator David Ramírez —winner of the 2015 open competition for mascots— and owned by TIBIDABO. They embody and represent the values that TIBIDABO upholds and aims to convey. The four characters represent animals found in the Serra de Collserola mountain range: an oriole, a salamander, a fox, and a wild boar.

These characters take on the leading role as ambassadors of the Park's purpose and vision, aligning with its guiding principles and commitments and contributing to achieving its overall goal of fulfilling a proactive and socially responsible role.

IDENTITY

The Tibidabo mascots are geographically rooted in Barcelona, specifically in Collserola Park, where they have always lived and which they love and respect.

Overlooking this natural environment is a magical landmark —their amusement park. All of this is part of their story, one that makes them proud of who they are: animals of Collserola, Barcelona, and Catalonia.

These connotations shape how they relate to others and express themselves, recognising this as a key narrative perspective.

“From a fully inclusive socio-cultural perspective, everything the mascots represent must align with the Barcelona and Catalan nature of the park”.

GROUP PERSONALITY

- GROUP COMMITMENTS
 - Valuing education
 - Caring for others
 - Loving and respecting nature Understanding the importance of the environment and contributing to it
 - Believing in experience as a tool for knowledge and cultural enrichment
- THE TEAM
 - Is enthusiastic
 - Takes on exciting projects
 - Knows how to have fun
 - Respects others and earns respect in return
 - Works hard to achieve its goals
 - Acts responsibly
 - Stays humble
 - Values honesty
 - Sees competition as part of the game, not the ultimate goal
 - Is thoughtful
 - Knows how to love
- THEIR ATTITUDE IS
 - Happy, positive, curious, open-minded, imaginative, and creative
- THEIR BEHAVIOUR IS
 - Empathetic and inspiring
- THEY LOVE:
 - Singing / Dancing / Reading



TI



IS AN ORIOLE

SEX: male

PERSONALITY:

Enterprising

A bit mischievous Loves jokes

Acts silly to make children laugh.

Also has a deeply emotional and sentimental side. Cares for and looks after those around him.

LOVES:

Coming up with activity ideas for the group / Organising / Making others laugh / Taking care of others

PARK VALUE he represents most clearly: Making a difference

He often hops around and moves his arms, pretending to fly.

BI



IS A SALAMANDER

SEX: female

PERSONALITY:

Curious. Always wants to know more and ask why.

Loves reading.

Studious. Enjoys learning and acquiring new skills. Quite feminine

Very tidy

LOVES: Thinking / Flowers / Plants / Water / Stories / Science / Writing (in general and her diary in particular) / Reading

PARK VALUE she represents most clearly: Education

Calm. Walks slowly. Often holds her chin to indicate that she is deep in thought. Knows how to balance active and quiet moments.

DA



IS A FOX

SEX: female

PERSONALITY:

Adventurous Imaginative Brave

A real extrovert

LOVES:

Dressing up as adventure characters / Leading group activities / Dancing

PARK VALUE she represents most clearly:

- Experiences
- Fun

Often pretends to take off running and occasionally, when we're least expecting it, breaks into short sprints— sometimes up and down, other times side to side.

Also embodies femininity and always has a positive and proactive attitude. Loves to enjoy herself and have a good time. Very clever and resourceful.

BO



IS A WILD BOAR

SEX: male

PERSONALITY:

Good-natured Emotional

A bit timid

LOVES: Working on his clumsiness by focusing and creating magnificent structures with all types of materials / History / Current affairs / Art

PARK VALUE he represents most clearly: Sustainability

He walks slowly but surely, making long, confident strides.

When he gets excited, he spreads his arms and legs, making himself appear larger. He's always looking for food, his top priority.