

CiViTAS
Cleaner and better transport in cities

ARCHIMEDES

AALBORG • BRIGHTON & HOVE • DONOSTIA - SAN SEBASTIÁN • IAȘI • MONZA • ÚSTÍ NAD LABEM

Donostia – San Sebastian

T17.1 Business District Shuttle Bus in
Donostia – San Sebastian

Donostia – San Sebastian

October 2010



THE CIVITAS INITIATIVE
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1. Introduction

1.1 Background CIVITAS

CIVITAS - cleaner and better transport in cities - stands for City-VITALity-Sustainability. With the CIVITAS Initiative, the EC aims to generate a decisive breakthrough by supporting and evaluating the implementation of ambitious integrated sustainable urban transport strategies that should make a real difference for the welfare of the European citizen.

CIVITAS I started in early 2002 (within the 5th Framework Research Programme);
CIVITAS II started in early 2005 (within the 6th Framework Research Programme) and
CIVITAS PLUS started in late 2008 (within the 7th Framework Research Programme).

The objective of CIVITAS-Plus is to test and increase the understanding of the frameworks, processes and packaging required to successfully introduce bold, integrated and innovative strategies for clean and sustainable urban transport that address concerns related to energy-efficiency, transport policy and road safety, alternative fuels and the environment.

Within CIVITAS I (2002-2006) there are 19 cities clustered in 4 demonstration projects, within CIVITAS II (2005-2009) 17 cities in 4 demonstration projects, whilst within CIVITAS PLUS (2008-2012) 25 cities in 5 demonstration projects are taking part. These demonstration cities all over Europe will be funded by the European Commission.

Objectives:

- to promote and implement sustainable, clean and (energy) efficient urban transport measures
- to implement integrated packages of technology and policy measures in the field of energy and transport in 8 categories of measures
- to build up critical mass and markets for innovation

Horizontal projects support the CIVITAS demonstration projects & cities by :

- Cross-site evaluation and Europe wide dissemination in co-operation with the demonstration projects
- The organisation of the annual meeting of CIVITAS Forum members
- Providing the Secretariat for the Political Advisory Committee (PAC)
- Development of policy recommendations for a long-term multiplier effect of CIVITAS

Key elements of CIVITAS

- CIVITAS is co-ordinated by cities: it is a programme “of cities for cities”
- Cities are in the heart of local public private partnerships
- Political commitment is a basic requirement
- Cities are living ‘Laboratories’ for learning and evaluating

1.2 Background ARCHIMEDES

ARCHIMEDES is an integrating project, bringing together 6 European cities to address problems and opportunities for creating environmentally sustainable, safe and energy efficient transport systems in medium sized urban areas.

The objective of ARCHIMEDES is to introduce innovative, integrated and ambitious strategies for clean, energy-efficient, sustainable urban transport to achieve significant impacts in the policy fields of energy, transport, and environmental sustainability. An ambitious blend of policy tools and measures will increase energy-efficiency in transport, provide safer and more convenient travel for all, using a higher share of clean engine technology and fuels, resulting in an enhanced urban environment (including reduced noise and air pollution). Visible and measurable impacts will result from significantly sized measures in specific innovation areas. Demonstrations of innovative transport technologies, policy measures and partnership working, combined with targeted research, will verify the best frameworks, processes and packaging required to successfully transfer the strategies to other cities.

1.3 Participant Cities

The ARCHIMEDES project focuses on activities in specific innovation areas of each city, known as the CIVITAS corridor or zone (depending on shape and geography). These innovation areas extend to the peri-urban fringe and the administrative boundaries of regional authorities and neighbouring administrations.

The two Learning cities, to which experience and best-practice will be transferred, are Monza (Italy) and Ustí nad Labem (Czech Republic). The strategy for the project is to ensure that the tools and measures developed have the widest application throughout Europe, tested via the Learning Cities' activities and interaction with the Lead City partners.

1.3.1 Leading City Innovation Areas

The four Leading cities proposed in the ARCHIMEDES project are:

- Aalborg (Denmark);
- Brighton & Hove (UK);
- Donostia-San Sebastián (Spain); and
- Iasi (Romania).

Together the Lead Cities in ARCHIMEDES cover different geographic parts of Europe. They have the full support of the relevant political representatives for the project, and are well able to implement the innovative range of demonstration activities proposed.

The Lead Cities are joined in their local projects by a small number of key partners that show a high level of commitment to the project objectives of energy-efficient urban transportation. In all cases the public transport company features as a partner in the proposed project.

2. Donostia – San Sebastian

The city of Donostia -San Sebastián overlooks the sea and, with a bit more than 180,000 inhabitants, keeps a human scale. Some people consider the balanced combination of small

mountains, manor buildings, and sea as the setting for one of the most beautiful cities in the world. We have a tradition in favouring pedestrians, cyclists and public transport.

For about twenty years, the city has been enforcing a strong integrated policy in favour of pedestrians, bicycles and public transport. Considering walking and cycling as modes of transport, has led to the building of a non-motorised transport network for promoting this type of mobility around the city.

Likewise, the city has extended its network of bus lanes. The city holds one of the higher bus - riding rates, with around 150 trips per person per year.

2.1 Objectives in CIVITAS

The CIVITAS project is a perfect opportunity to expand our Sustainable Urban Transport Strategy. With the package of CIVITAS measures Donostia-San Sebastian wants to:

- Increase the number of public transport users
- Decrease the number of cars entering in the city centre
- Increase the use of the bicycle as a normal mode of transport
- Maintain the high modal share of walking
- Reduce the number of fatal accidents and accidents with heavy injuries
- Reduce the use of fossil fuels in public transport.

3. Background to the Deliverable

The present deliverable refers to Measure number 17 and task 2.11.

This measure entails the introduction of a new bus shuttle service for commuters that connects three business districts to the ARCHIMEDES high quality public transport corridors and major public transport nodes in the city.

3.1 Summary Description of the Task

The measure covers one task, Task 2.11 Business District Bus Shuttle Service:

CTSS has introduced new bus services to connect the Belartza, Zuatzu, Miramón and Polígono 27 business districts on the peri-urban area of Donostia - San Sebastián to the CIVITAS high quality public transport corridors (Measure 16) and major public transport interchanges including the regional train network.

The bus service will also be operated by bio-diesel shuttle buses to maximise the environmental benefits of commuters choosing to use the service instead of the car.

4. Business District shuttle bus in Donostia – San Sebastian

4.1 Description of the Work Done

CTSS-DBUS previously made a study of the bus services needed in the industrial areas. The shuttle buses are intended to provide a service to all the companies inside the industrial areas by providing a connection to stops on the high quality public transport corridors. A barrier, according to the result of the surveys made in the different industrial areas, is that the commuters prefer to have a direct trip in one step from their home to their workplace instead of carrying out the trip in two steps as with the shuttle buses.

Therefore, the conclusions of this study were actually to start with the implementation of direct bus lines from most of the districts of the city to the 4 industrial areas (Zuatzu, Belartzu, Poligono 27 and Miramon), improving the frequency of the core bus service during weekdays.

The reason for this change is to give commuters a better service from their homes to their workplaces, in only one journey stage. The introduction of shuttle buses in the industrial areas would have meant most commuters would arrive at their workplaces in two journey stages, which would have been a disadvantage.

In the original description of the ARCHIMEDES project there were 3 industrial areas defined, but CTSS-DBUS has in fact improved the bus service to 4 industrial areas.

CTSS-DBUS was to have implemented these services by September 2010 and maintain the service until the end of the project (September 2012). In fact, all these services have been running since September 2009 and it is likely they will still be in operation by September 2012.

CTSS-DBUS remains in an ongoing dialogue with industrial area managers on the implementation of specific shuttle buses. The possibility of introducing a shuttle bus in one industrial area as a pilot, in addition to the bus services to the business districts that have already been introduced, is also under consideration.

4.2 Summary of Activities Undertaken

CTSS-DBUS implemented the bus services needed for the four industrial areas of San Sebastian in September 2009 (to those areas defined in the design study), in order to provide the best quality bus service from most of the city districts and more quickly and in only one step. Direct bus lines to connect most of districts to the 4 industrial areas allows commuters to have a direct and therefore better service.

The previous situation in all the business districts was as follows:

- **Zuatzu:** on weekdays, every 20 minutes in peak hours and every 60 minutes the rest of the day (line 5), from Town Centre and Antiguu.
- **Belartza:** on weekdays, services every 40 minutes (line 25), from Town Centre and Antiguu.
- **Miramón:** on weekdays, services every 20 minutes (line 28) from Town Centre and Amara, and every 30 minutes (line 31) from Gros and Aiete, and every 60 minutes (line 35) from Antiguu and Aiete.
- **Poligono 27:** on weekdays, 5 services per day on peak hours (line 26) from Town Centre, Amara and Loiola.

Currently, after the bus service improvements, the situation in all the business districts is the following one:

- **ZUATZU**

On weekdays, every 6-8 minutes before 9a.m. (line 5 Express University-Zuatzu) and every 20 minutes the rest of the day (line 5), from Town Center and Antiguo.

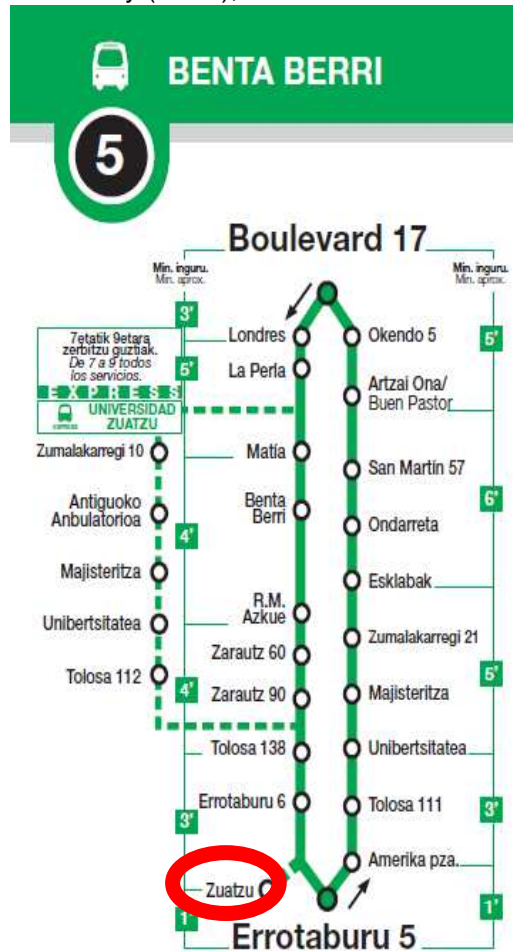


Figure.1: Line 5 route and scheme with all the stops included, and ZUATZU stop highlighted

- **BELARTZA**

On weekdays, services every 20 minutes (line 25), from Town Centre and Antiguo.



Figure 2: Line 25 route and scheme with all the stops included, and BELARTZA stops highlighted (3 stops)

• **MIRAMON**

On weekdays, services every 6 minutes (line 28) from Town Center and Amara, every 30 minutes (line 31) from Altza, Larratxo, Intxaurreondo, Gros, Riberas, Loiola, Poligono 27 and Aiete, and every 60 minutes (line 35) from Arriola, Antiguo and Aiete.



Figure 3: Lines 28, 31 & 35 routes and schemes with all the stops included, and MIRAMON stops highlighted (3 stops)

• **POLIGONO 27**

On weekdays, every 30 minutes on peak hours (line 26) from Town Center, Amara, Riberas and Loiola, and every 30 minutes (line 31) during all day from Altza, Larratxo, Riberas, Loiola, Miramon and Aiete.

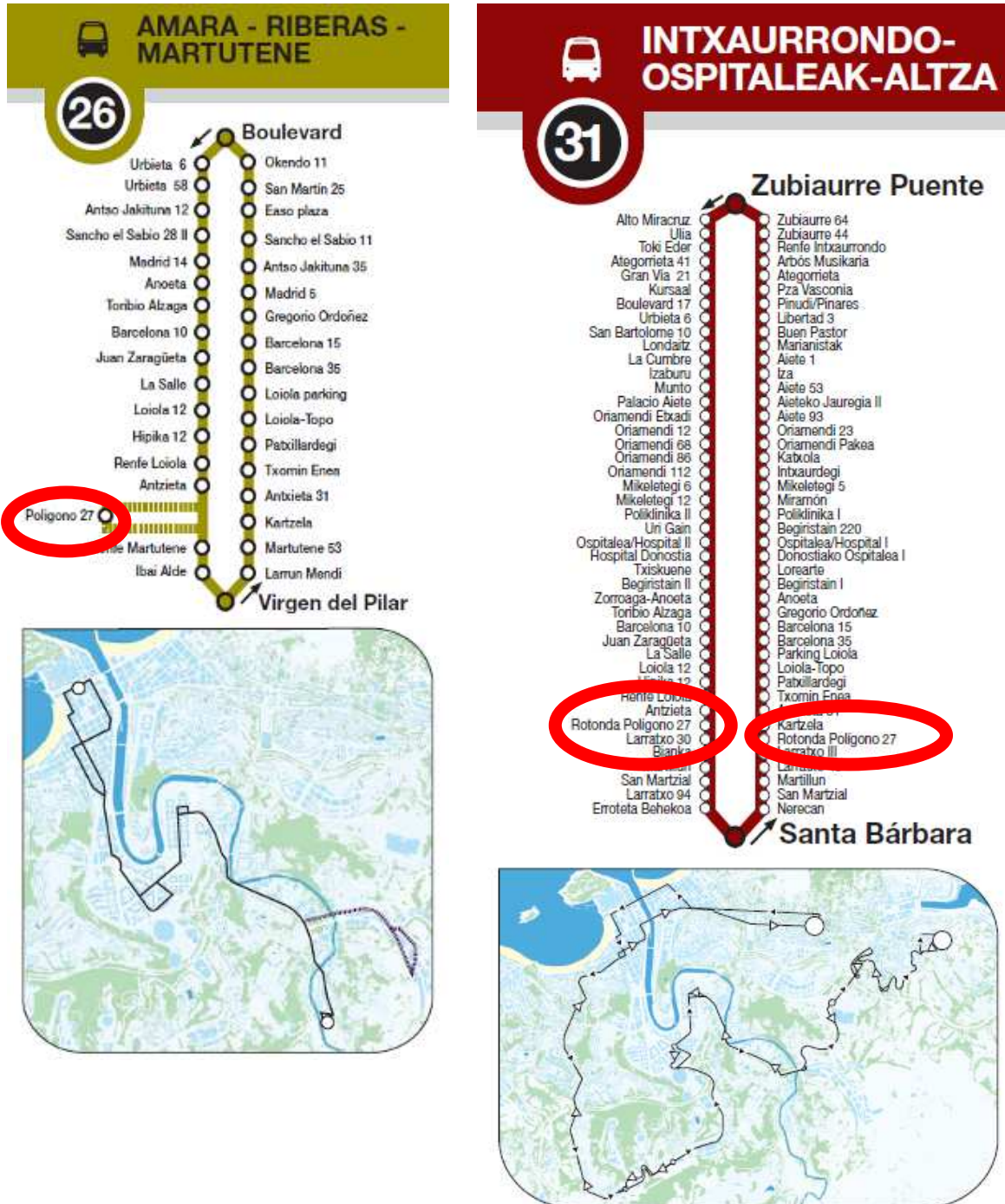


Figure 4: Lines 26 & 31 routes and schemes with all the stops included, and POLIGONO 27 stop highlighted

TRAVELLER INFORMATION SYSTEM

CTSS-DBUS has also improved the traveller information system for commuters to the business districts.

- CTSS-DBUS has implemented 23 electronic boards at stops of the bus lines that connect to business districts, with the bus arrival time information.



Figure 5: Electronic boards at stops with bus arrival time information

- CTSS-DBUS has implemented a real time information onboard system that provides travellers the next stop announcement, in the lines that connect to business districts (lines 5-25-26-28-31-35)



Figure 6: Onboard system information (DV-Bus channel) with next stop announcement

- CTSS-DBUS has developed a new web site with the following innovative points:
 - Bus arrival information on web site, at each stop on all the lines, and adapted for visually impaired people.
 - Graphic information of routes and stops of each bus line on maps (based on Google Maps)

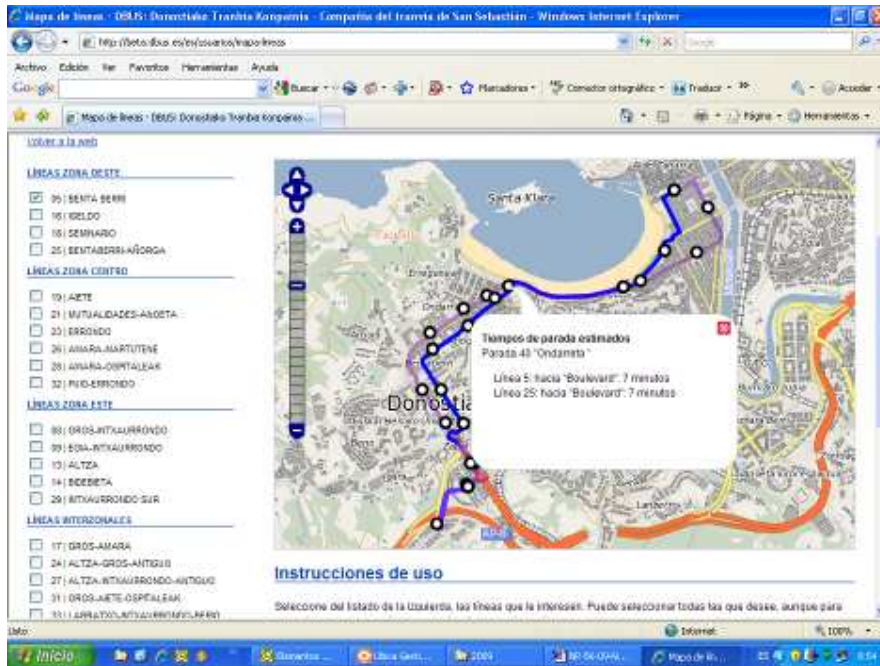


Figure 7: Line 5 website information (route, stops and arrival time information)

- CTSS-DBUS has developed an SMS information system for all stops of lines that provide a service to the business districts. This system is very useful for stops with no electronic information boards.



Figure 8: SMS system information (received message)

In the short term, by the end of 2010, CTSS-DBUS will implement a Bluetooth information system at business district stops: Zuatzu, Belartza, Poligono 27 and Miramon.

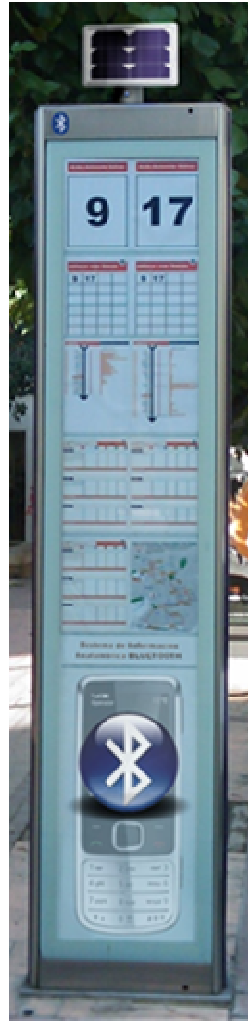


Figure 9: Infloblue system information to be implemented at business districts stops

With this new information system, travellers won't need to use a SMS system and incur additional costs. The Bluetooth system is currently being tested and is scheduled to be implemented at DBUS stops by the end of 2010. The information provided is free of charge for travellers.

4.3 Problems Identified

In the current economic situation it is difficult to implement new services during peak hours if they are not sufficiently economically viable. With the new industrial areas bus service approach, extending the service of high quality bus lines is more viable not only at peak

hours, but during the whole day. The stops of the industrial areas are going to be used above all at peak hours, but the whole line is well used the rest of the day, so there is also the possibility to move to/from the industrial areas during all day. This is an important advantage to workers that have flexible timetables or that take on extra hours.

4.4 Risks and Mitigating Activities

Cooperation of the industrial areas is needed. It has been necessary for CTSS-DBUS to interview the managers of the 4 industrial areas and ask for their support. This effort has been successful.

In the current economic climate it is a big problem is to introduce a bus service and have very few users. Hence, it is important that the employees are properly informed in order to maximise patronage. Support has been needed from industrial areas managers to inform all the employees about the public transport service and encourage them to use it..

Industrial areas managers have communicated to all the companies of each business district about the improvements of the bus services and have encouraged them to use the new services as the most efficient method of travel from home to work. These communications have been carried out by email and by letter to all the companies and to individual commuters.

4.5 Dissemination Activities

Various press releases have been issued with information about the improvements to the CTSS-DBUS bus service to business districts. (Please see Annex 1.).

CTSS-DBUS has also sent a mail shot out to citizens to inform them about the bus service improvements and to make them aware of the importance of using public transport instead the car. (Please see Annex 2.)

4.6 Future Plans

There needs to be continued dialogue between CTSS-DBUS and the industrial area managers to discuss the possibility of successfully implementing shuttle buses, in addition to the currently introduced bus lines to the industrial areas.

Implementation of a Bluetooth information system at business district stops in:

- Zuatzu
- Poligono 27 roundabout
- Miramon
- Belartza roundabout

Travellers won't need to use SMS system and incur additional costs. Bluetooth system is currently being tested and is scheduled to be implemented at DBUS stops by the end of 2010. The information provided is free of charge for travellers.

ANNEX 1

Donostia - San Sebastián, 25 de septiembre 2009

NOTA DE PRENSA 61/09

MEJORAS EN LAS LÍNEAS DE AUTOBUSES DE DBUS

A partir del **lunes 28 de septiembre de 2009** se ponen en marcha las siguientes mejoras en las líneas de autobuses de DBUS:

- **Nueva línea “31-Intxaurreondo-Ospitaleak” y “31-Altza-Ospitaleak”**

- **Nueva línea 5-Express Universidad-Zuatzu más directa y más rápida**

- **Ampliación del servicio al Antiguo con las líneas 5 y 25**

- **Ampliación del servicio a Zuatzu con la línea 5**

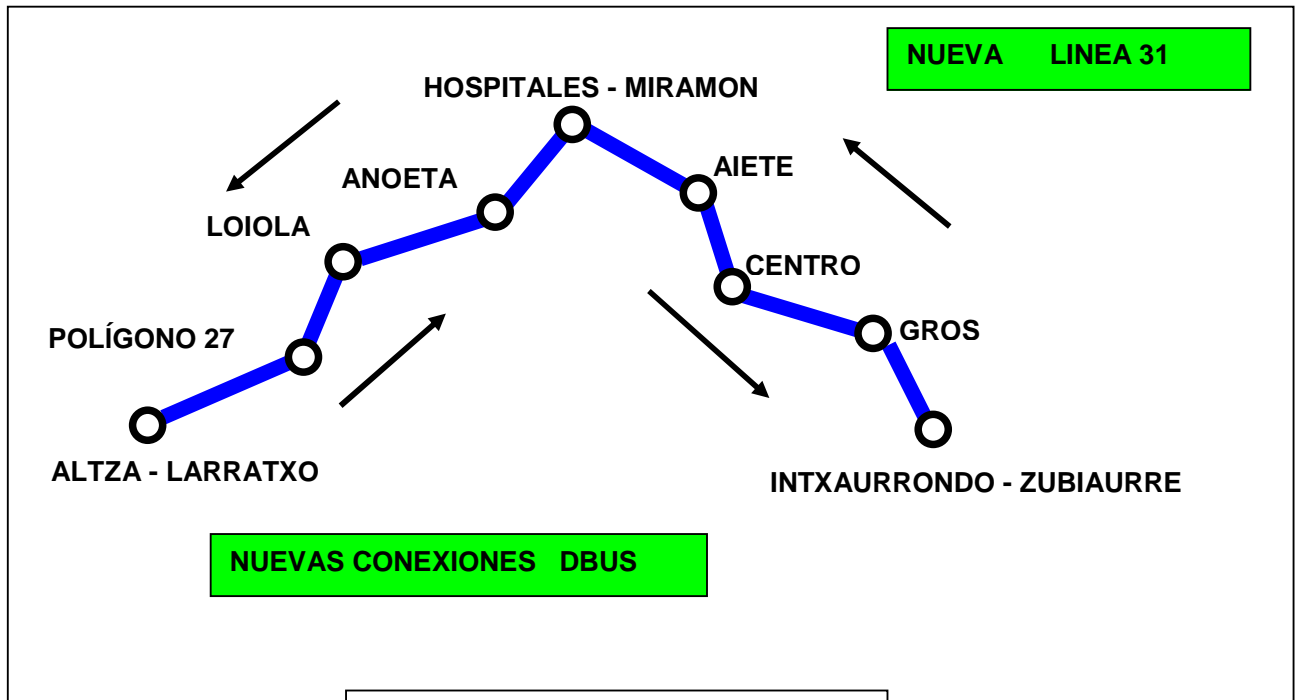
- **Ampliación del servicio a Belartza con la línea 25**

- **Ampliación del servicio a Miramón y Polígono 27 con la línea 31**

Las medidas que se ponen en marcha suponen mejoras en el servicio en muchas zonas de la ciudad e inciden especialmente en la mejora de la comunicación entre los diferentes barrios. El resumen por zonas es el siguiente:

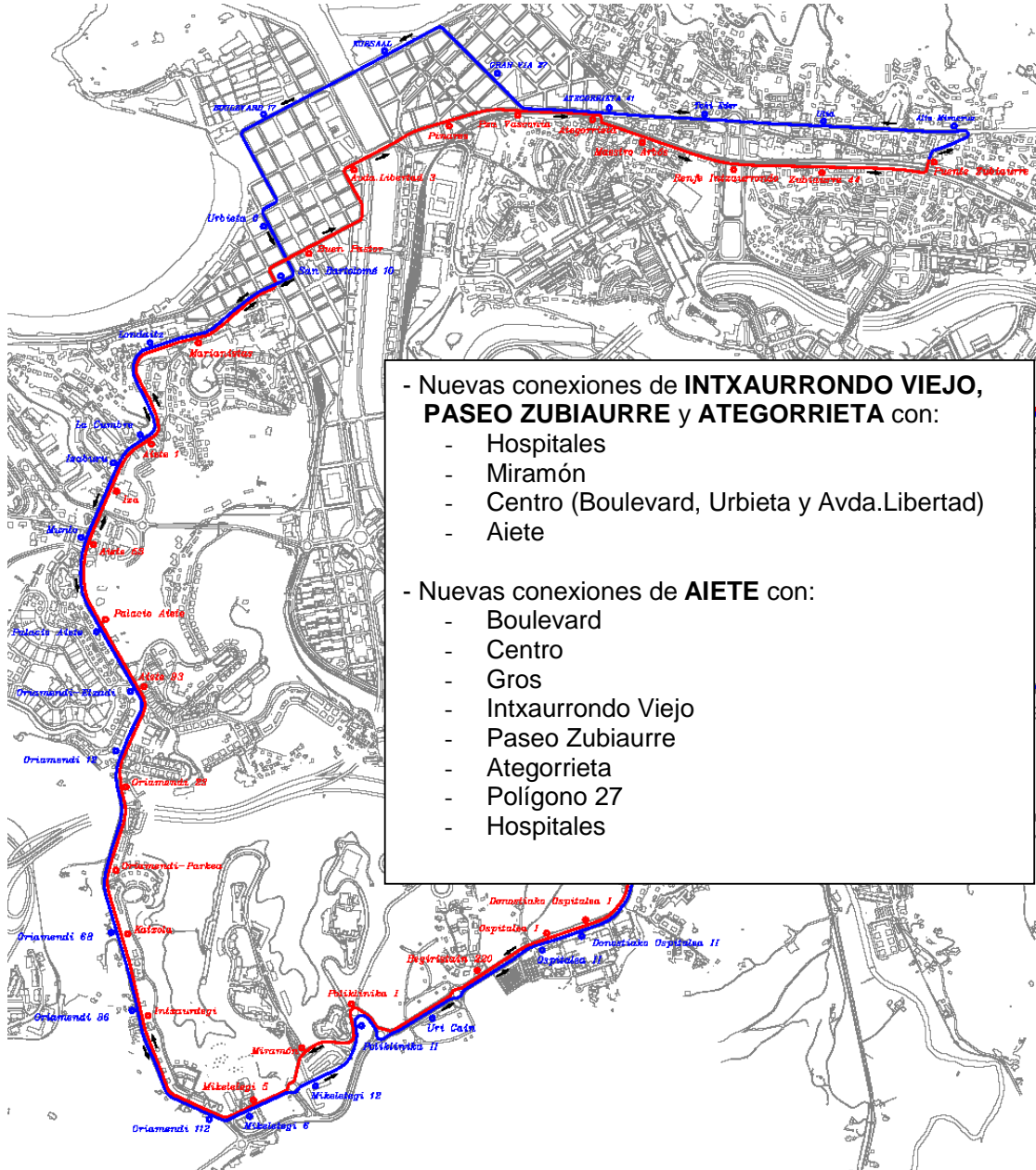
NUEVA LINEA 31-INTXAURRONDO-OSPITALEAK-ALTZA

Supone una nueva conexión directa de distintos barrios de la ciudad con la zona de Hospitales, Miramón y Polígono 27. Esta línea tiene un frecuencia de 30 minutos los laborables y sábados, y de 60 minutos los festivos

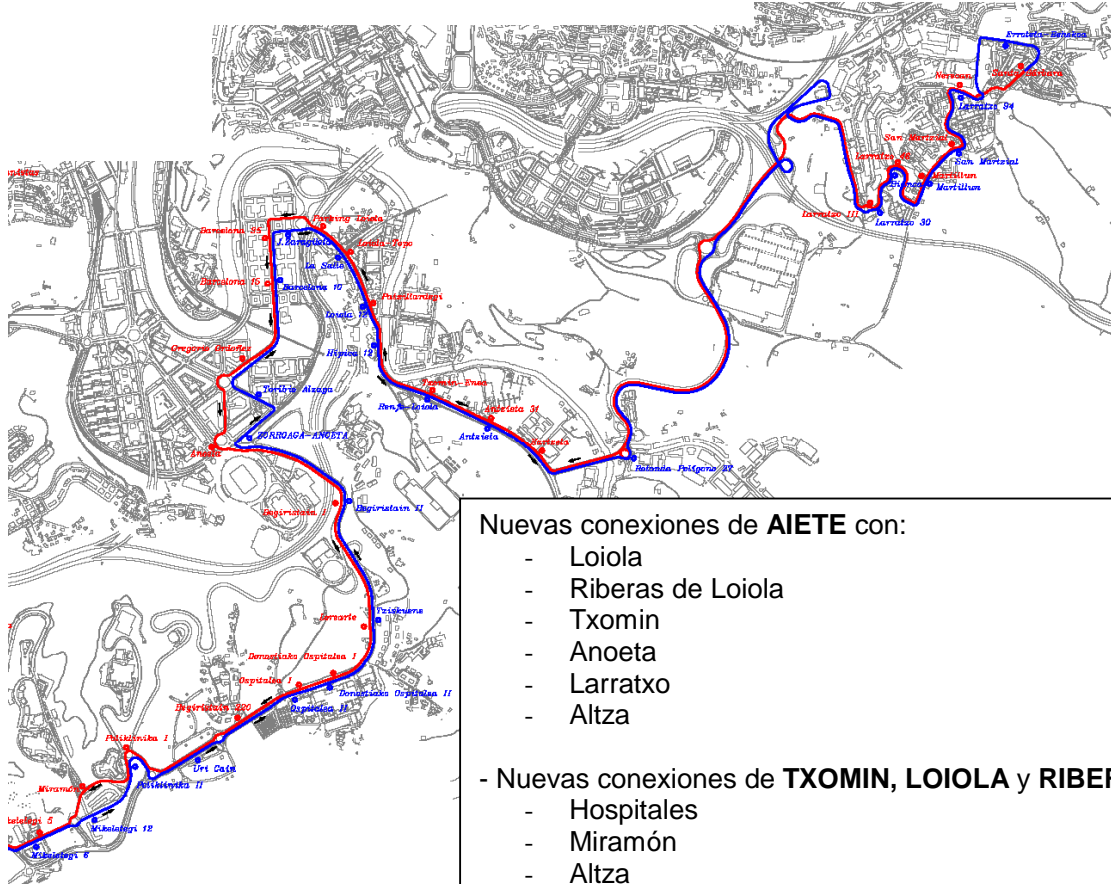


HORARIOS Y FRECUENCIAS LINEA			
ZUBIAURRE	Astegunetan Laborables:	Larunbatetan Sábados:	Jaiegunetan Festivos:
Lehenengoak / Primeros	07:08	07:38	09:38
Maiztasuna / Frecuencia	30 min	30 min	60 min
Azkenak. / Ultimos	21:38	21:38	21:38
SANTA BARBARA	Astegunetan Laborables:	Larunbatetan Sábados:	Jaiegunetan Festivos:
Lehenengoak / Primeros	07:12	07:42	09:42
Maiztasuna / Frecuencia	30 min	30 min	60 min
Azkenak. / Ultimos	21:42	21:42	21:42
OSPITALEAK/HOSPITALES (dir. Centro-Ciudad/Intxaurrendi)	Astegunetan Laborables:	Larunbatetan Sábados:	Jaiegunetan Festivos:
Lehenengoak / Primeros	07:40	08:10	10:10
Maiztasuna / Frecuencia	30 min	30 min	60 min
Azkenak. / Ultimos	22:10	22:10	22:10
OSPITALEAK/HOSPITALES (dir. Santa Barbara/Altza)	Astegunetan Laborables:	Larunbatetan Sábados:	Jaiegunetan Festivos:
Lehenengoak / Primeros	07:45	08:15	10:15
Maiztasuna / Frecuencia	30 min	30 min	60 min
Azkenak. / Ultimos	22:15	22:15	22:15
BOULEVARD (dir. Aieta)	Astegunetan Laborables:	Larunbatetan Sábados:	Jaiegunetan Festivos:
Lehenengoak / Primeros	07:25	07:55	09:55
Maiztasuna / Frecuencia	30 min	30 min	60 min
Azkenak. / Ultimos	21:55	21:55	21:55
LIBERTAD (dir. Intxaurrendi)	Astegunetan Laborables:	Larunbatetan Sábados:	Jaiegunetan Festivos:
Lehenengoak / Primeros	08:00	08:30	10:30
Maiztasuna / Frecuencia	30 min	30 min	60 min
Azkenak. / Ultimos	22:30	22:30	22:30

Línea 31-Intxaurreondo-Ospitaleak



Línea 31-Altza-Ospitaleak



Nuevas conexiones de **AIETE** con:

- Loiola
- Riberas de Loiola
- Txomin
- Anoeta
- Larratxo
- Altza

- Nuevas conexiones de **TXOMIN, LOIOLA** y **RIBERAS** con:

- Hospitales
- Miramón
- Altza
- Larratxo
- Aiete
- Anoeta
- Polígono 27

- Nuevas conexiones de **ALTZA** y **LARRATXO** con:

- Polígono 27
- Hospitales
- Miramón
- Loiola
- Riberas de Loiola
- Txomin
- Anoeta
- Aiete

Mejoras en polígonos industriales con la nueva línea 31

- Nuevas conexiones del **PARQUE DE MIRAMÓN** con:

- Intxaurre Viejito
- Ategorrieta
- Paseo Zubiaurre
- Loiola
- Riberas de Loiola
- Txomin
- Larratxo
- Altza
- Polígono 27
- Centro
- Amara

MIRAMON	Paso aproximado por MIRAMÓN (dirección Altza)	Paso aproximado por MIRAMÓN (dirección Centro-Gros)
Laborables	Primer paso: 7:40 Cada 30 min Último paso: 22:10	Primer paso: 7:45 Cada 30 min Último salida: 22:15
Sábados	Primer salida: 8:10 Cada 30 min Último paso: 22:10	Primer paso: 8:15 Cada 30 min Último paso: 22:15
Festivos	Primer paso: 10:10 Cada 60 min Último paso: 22:10	Primer paso: 10:15 Cada 60 min Último paso: 22:15

- Nuevas conexiones del **POLÍGONO 27** con:

- Altza
- Larratxo
- Aiete
- Miramón
- Riberas
- Loiola
- Anoeta
- Txomin

POLÍGONO 27	Salidas desde SANTA BARBARA (dirección Hospitales)	Salidas desde HOSPITALES (dirección Riberas-Loiola-Altza)
Laborables	Primera salida: 7:12 Cada 30 min Última salida: 21:42	Primera salida: 7:45 Cada 30 min Última salida: 22:15
Sábados	Primera salida: 7:42 Cada 30 min Última salida: 21:42	Primera salida: 8:15 Cada 30 min Última salida: 22:15
Festivos	Primera salida: 9:42 Cada 60 min Última salida: 21:42	Primera salida: 10:15 Cada 60 min Última salida: 22:15

Mejoras en la zona de Hospitales (Hospital Donostia, Policlínica y Oncológico) con la nueva línea 31

- Nuevas conexiones de la zona de **HOSPITALES** con:

- Intxaurrondo Viejo
- Ategorrieta
- Paseo Zubiaurre
- Loiola
- Riberas de Loiola
- Txomin
- Larratxo
- Altza
- Polígono 27
- Centro
- Amara

HOSPITALES	Salidas desde HOSPITALES (dirección Altza)	Salidas desde HOSPITALES (dirección Centro- Gros)
Laborables	Primer paso: 7:45 Cada 30 min Último paso: 22:15	Primer paso: 7:40 Cada 30 min Último salida: 22:10
Sábados	Primer salida: 8:15 Cada 30 min Último paso: 22:15	Primer paso: 8:10 Cada 30 min Último paso: 22:10
Festivos	Primer paso: 10:15 Cada 60 min Último paso: 22:15	Primer paso: 10:10 Cada 60 min Último paso: 22:10

MÁS SERVICIOS AL ANTIGUO, UNIVERSIDAD Y ZUATZU (LINEA 5)

A partir del **28 de septiembre de 2009**, DBUS amplía de forma importante los servicios los servicios de la **línea 5** al Antiguo, Universidad y Polígono de ZUATZU, y da servicios **más rápidos y directos** a primeras horas del día (línea 5-Express Universidad-Zuatzu).

En días **laborables** el servicio de la línea 5 tendrá salidas desde el Boulevard cada **6-8 minutos**, por lo que combinado con la línea 25, el servicio al Antiguo será cada **4-6 minutos**. Los sábados y festivos también habrá más servicios de la línea 5 durante todo el día.

Las mejoras principales en la línea 5 son las siguientes:

- **LINEA 5-EXPRESS UNIVERSIDAD-ZUATZU**

Laborables (excepto julio y agosto), todos los servicios de la línea 5 con salidas desde el Boulevard entre las 7:09h y las 9:00h llegarán hasta Zuatzu, por Avda.Zumalakarregi.

- Salidas desde Boulevard a Universidad y Zuatzu por Zumalakarregi (Express):

07-09	07-23	07-34	07-40	07-46	07-54			
08-00	08-06	08-14	08-15	08-26	08-34	08-40	08-46	08-54
09-00								

- **LINEA 5-BENTA BERRI-ZUATZU**

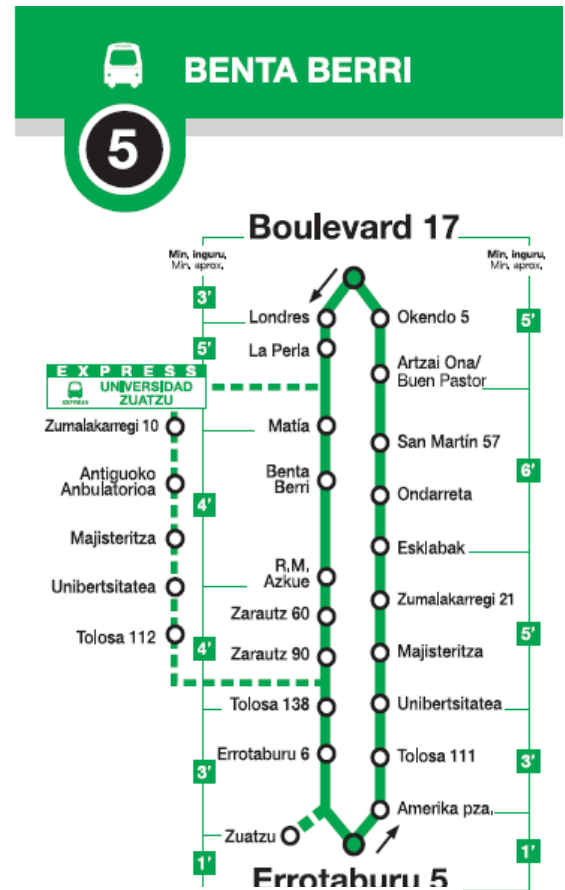
Laborables a partir de las 9:00h, **cada 20 minutos**

- Salidas desde Boulevard a Zuatzu (por c/Matia):

09-06	09-26	09-46
10-06	10-26	10-46
11-06	11-26	11-46
12-06	12-26	12-46
13-06	13-26	13-46
14-06	14-26	14-46
15-06	15-26	15-46
16-06	16-26	16-46
17-06	17-26	17-46
18-06	18-26	18-46
19-06	19-26	19-46
20-06		

- Salidas desde Zuatzu:

09-06	09-26	09-46
10-06	10-26	10-46
11-06	11-26	11-46
12-06	12-26	12-46
13-06	13-26	13-46
14-06	14-26	14-46
15-06	15-26	15-46
16-06	16-26	16-46
17-06	17-26	17-46
18-06	18-26	18-46
19-06	19-26	19-46
20-06	20-06	



Todos los servicios de la línea 5 se realizarán con **autobuses articulados de 18 metros**.

MÁS SERVICIOS AL POLÍGONO DE BELARTZA (LINEA 25)

A partir del **28 de septiembre de 2009**, DBUS amplía de forma importante en días laborables los servicios al Polígono de BELARTZA con la línea 25.

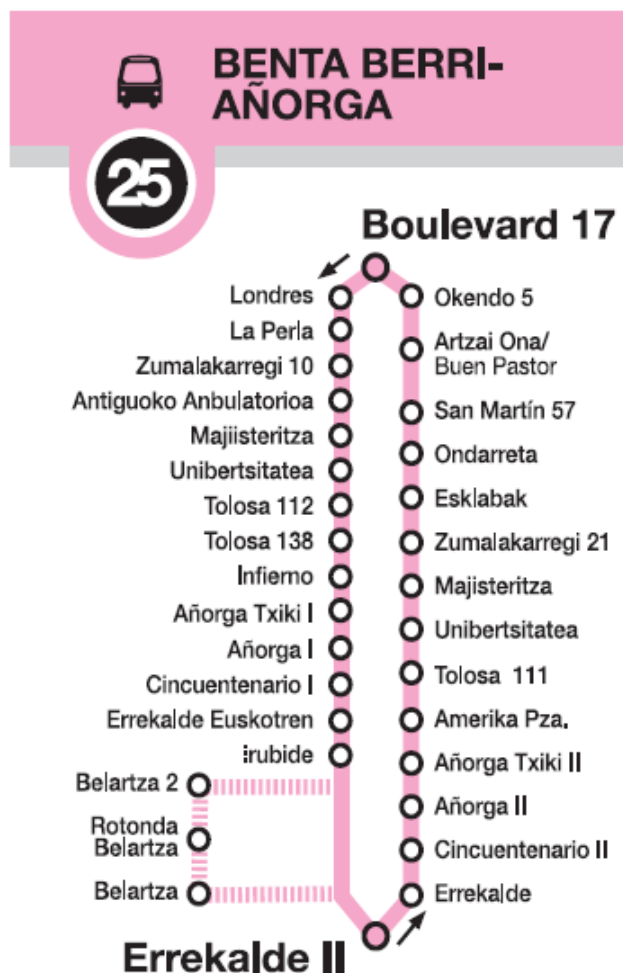
En días laborables se dan los siguientes servicios al Polígono de Belartza:

- Salidas desde el Boulevard a Belartza:

06-17		
07-02	07-30	07-50
08-10	08-30	08-50
09-10	09-30	09-50
10-10	10-30	10-50
11-10	11-30	11-50
12-10	12-30	12-50
13-10	13-30	13-50
14-10	14-30	14-50
15-10	15-30	15-50
16-10	16-30	16-50
17-10	17-30	17-50
18-10	18-30	18-50
19-10	19-30	19-50
20-10	20-30	
21-05		
22-00		

- Salidas desde Belartza:

06-40		
07-25		
07-55	08-15	08-35
08-55	09-15	09-35
09-55	10-15	10-35
10-55	11-15	11-35
11-55	12-15	12-35
12-55	13-15	13-35
13-55	14-15	14-35
14-55	15-15	15-35
15-55	16-15	16-35
16-55	17-15	17-35
17-55	18-15	18-35
18-55	19-15	19-35
19-55	20-15	20-35
	21-30	
	22-20	



Todos los servicios de la línea 25 se realizarán con **autobuses de 12 metros**.

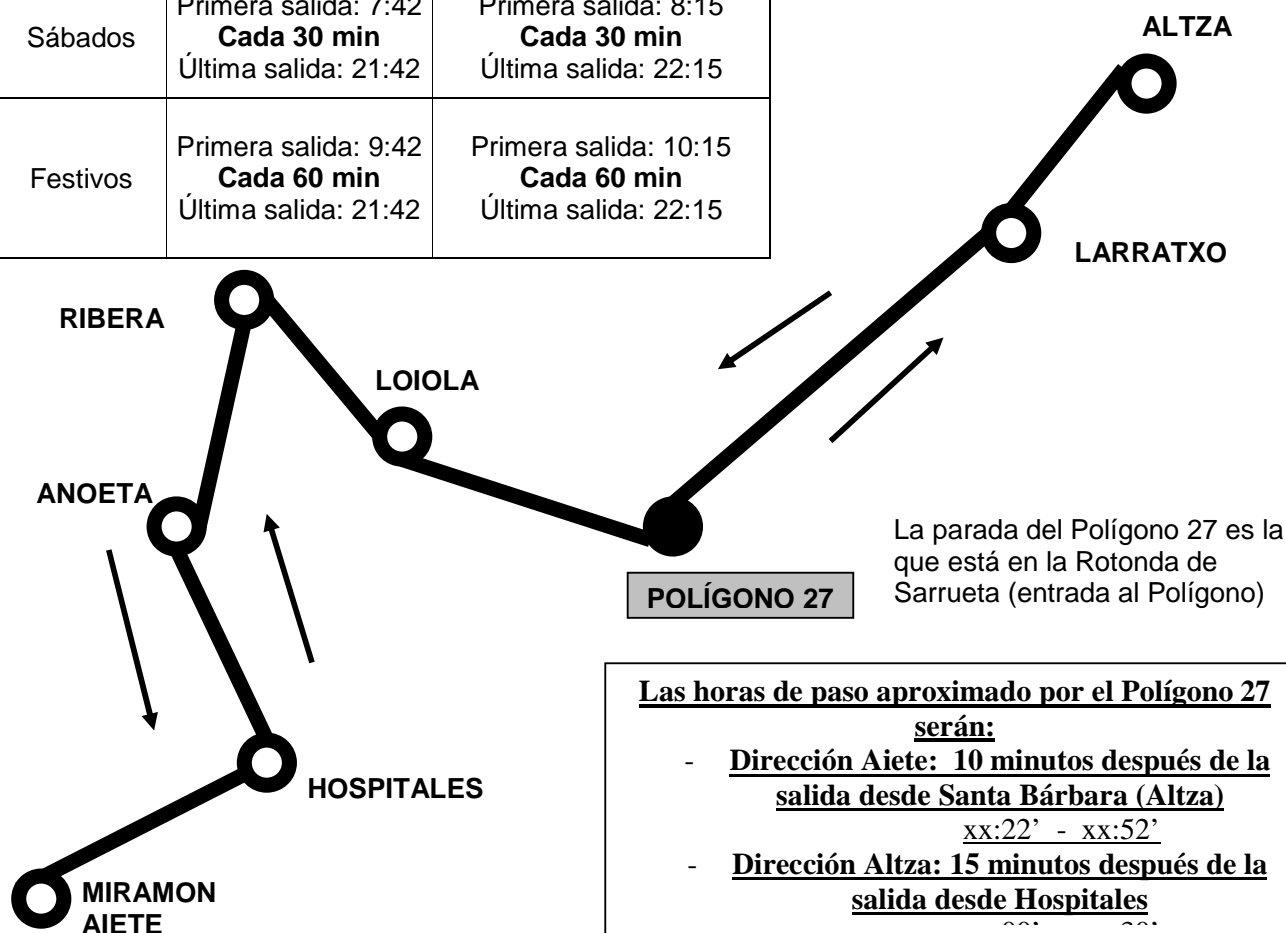
Para cualquier duda, consulta o sugerencia, contacte con DBUS en el teléfono 943-000200 o a través de la web www.dbus.es

MÁS SERVICIOS AL POLÍGONO 27 CON LA NUEVA LÍNEA 31

A partir del **28 de septiembre de 2009**, DBUS amplía el actual recorrido de la línea 31 con el fin de conectar de forma directa el POLÍGONO 27 con más zonas de la ciudad como son ALTZA, LARRATXO, MIRAMON y AIETE. Esta línea tendrá una frecuencia de **30 minutos** de lunes a sábados y de 60 minutos en festivos.

Los autobuses de la línea 31 circularán desde Altza, Larratxo, Polígono 27, Txomin, Loiola, Riberas de Loiola, Anoeta, Hospitales, Miramón y Aiete.

	Salidas desde SANTA BARBARA (dirección Hospitales)	Salidas desde HOSPITALES (dirección Riberas-Loiola-Altza)
Laborables	Primera salida: 7:12 Cada 30 min Última salida: 21:42	Primera salida: 7:45 Cada 30 min Última salida: 22:15
Sábados	Primera salida: 7:42 Cada 30 min Última salida: 21:42	Primera salida: 8:15 Cada 30 min Última salida: 22:15
Festivos	Primera salida: 9:42 Cada 60 min Última salida: 21:42	Primera salida: 10:15 Cada 60 min Última salida: 22:15



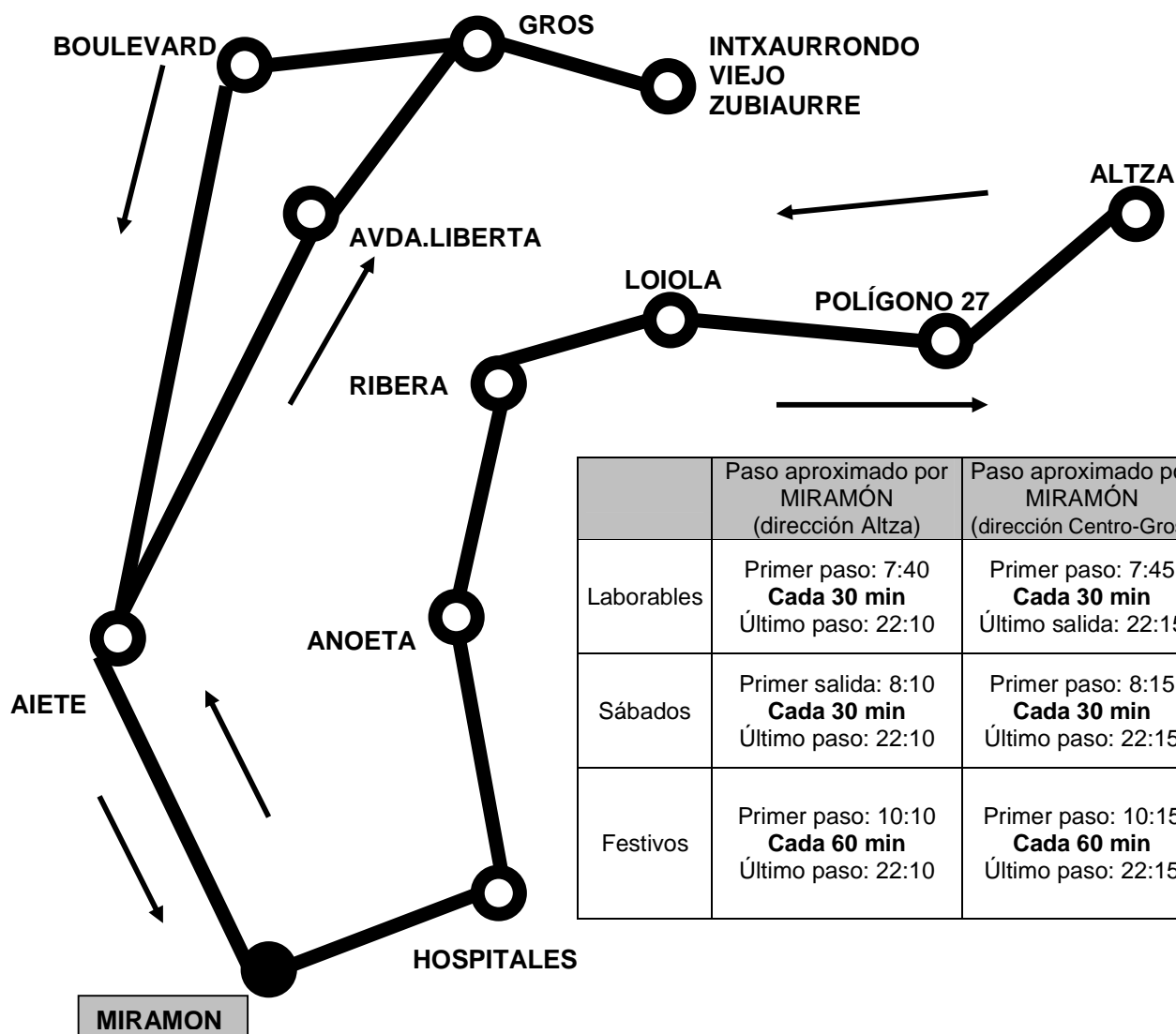
Por tanto, la nueva línea 31 conecta de forma directa el POLÍGONO 27 con las siguientes zonas:

- Altza
- Larratxo
- Aiete
- Miramón
- Riberas
- Loiola
- Anoeta
- Txomin

MÁS SERVICIOS AL PARQUE DE MIRAMÓN CON LA NUEVA LÍNEA 31

A partir del **28 de septiembre de 2009**, DBUS amplía el actual recorrido de la línea 31 con el fin de conectar de forma directa el PARQUE MIRAMÓN con más zonas de la ciudad como son Intxaurre, Riberas, Loiola, Txomin, Larratxo, Altza y el Polígono 27. Esta línea tendrá una frecuencia de **30 minutos** de lunes a sábados y de 60 minutos en festivos.

Los autobuses de la línea 31 circularán desde Zubiaurre hasta el Centro y tendrán parada en el Boulevard, desde donde circularán por Urbieta, Aldapeta, Paseo Aiete, Miramón, Hospitales, Anoeta, Riberas, Loiola, Polígono 27, Altza y Larratxo.



Por tanto, conecta de forma directa el PARQUE MIRAMÓN con las siguientes zonas:

- Intxaurre Viejo
- Ategorrieta
- Paseo Zubiaurre
- Loiola
- Riberas de Loiola
- Txomin
- Larratxo
- Altza
- Polígono 27
- Centro
- Amara

MÁS SERVICIOS AL POLÍGONO DE ZUATZU

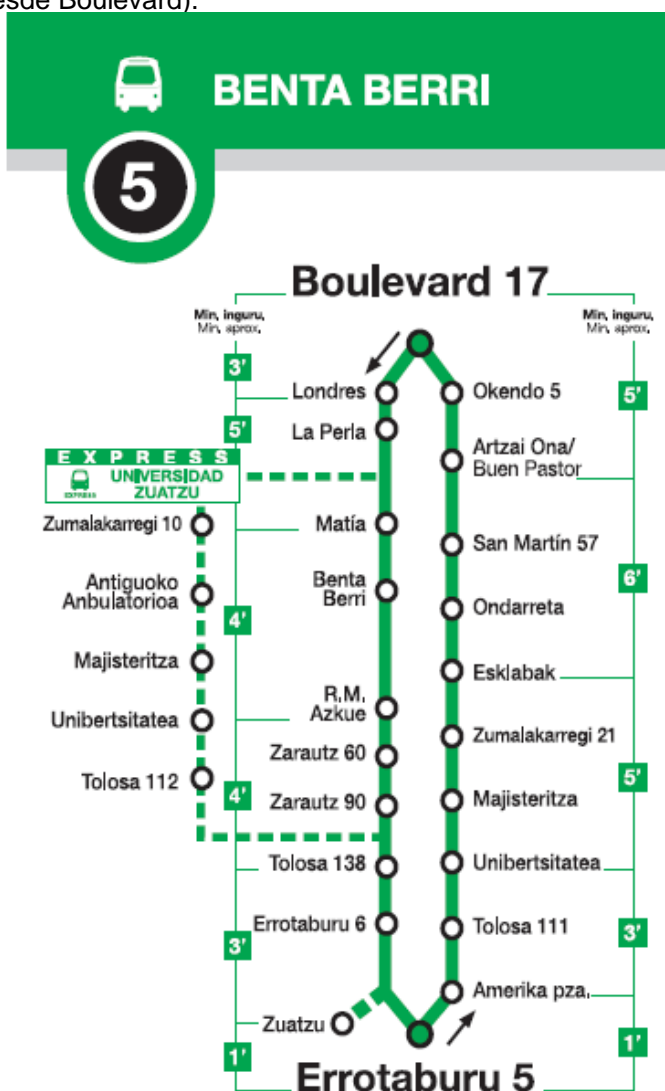
A partir del **28 de septiembre de 2009**, DBUS amplía de forma importante en días laborables los servicios al Polígono de ZUATZU y da servicios **más rápidos y directos** a primeras horas del día (línea 5-Express Universidad-Zuatzu).

LÍNEA 5-EXPRESS UNIVERSIDAD-ZUATZU

Los días laborables (excepto julio y agosto), todos los servicios de la línea 5 con salidas desde el Boulevard entre las 7:09h y las 9:00h llegarán hasta Zuatzu. Los autobuses circularán por la AVDA. ZUMALAKARREGI en vez de por las calles Matía y Resurrección María de Azkue de forma que el servicio es mucho más rápido y directo.

LÍNEA 5-BENTA BERRI-ZUATZU

El resto del día habrá servicio a Zuatzu desde el Boulevard cada 20 minutos, entre las 9:06h y las 20:06h. Las salidas desde Zuatzu serán **cada 20 minutos** entre las 9:26h y las 20:26h. Los autobuses circularán por las calles Matía y Resurrección María de Azkue a partir de las 9:06h (salida desde Boulevard).



MÁS SERVICIOS AL POLÍGONO DE BELARTZA

A partir del **28 de septiembre de 2009**, DBUS amplía de forma importante en días laborables los servicios al Polígono de BELARTZA.

Todos los días laborables del año se dan los siguientes servicios al Polígono de Belartza:

- Salidas desde el Boulevard:
 - Primeras: 6:17h – 7:02h
 - Desde las 7:30h hasta las 20:30h **cada 20 minutos**
 - Últimas salidas: 21:05h – 22:00h

- Salidas desde Belartza:
 - Primeras: 6:40h – 7:25h
 - Desde las 7:55h hasta las 20:35h **cada 20 minutos**
 - Últimas salidas: 21:00h – 21:30h – 22:20h

