

# A new world of Broadband Solutions

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Telefónica de España*



ACCELERATE TO INCREASE  
OUR LEADERSHIP

*Telefonica*

Barcelona, April 25th, 2005

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01 Strong delivery and sound fundamentals

02 Good positioning for the future

03 Two pillars of our strategy looking forward

- Develop client-specific communication, information and entertainment Broadband Solutions
- Deepen our transformation into a more commercially oriented and operationally excellent company

04 Commitments to continue delivering very strong results

## Index

### 01 Strong delivery and sound fundamentals

### 02 Good positioning for the future

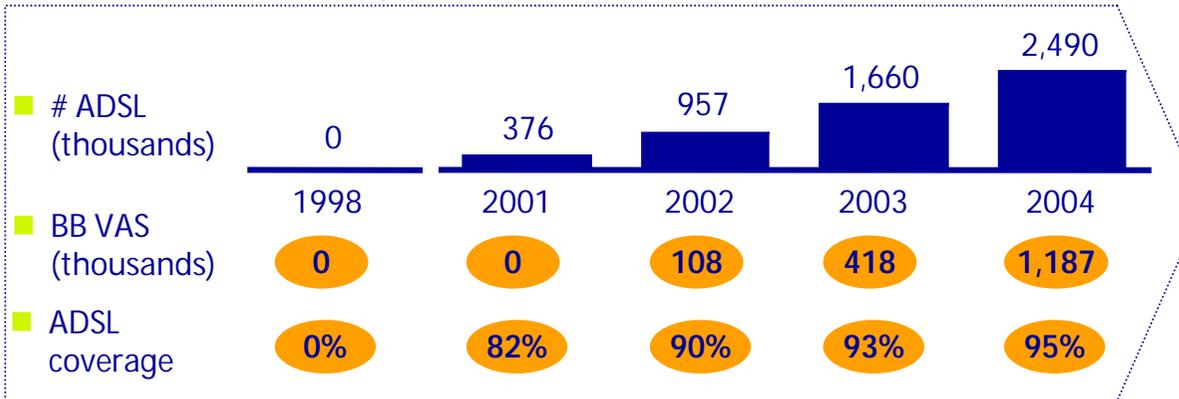
### 03 Two pillars of our strategy looking forward

- Develop client-specific communication, information and entertainment Broadband Solutions
- Deepen our transformation into a more commercially oriented and operationally excellent company

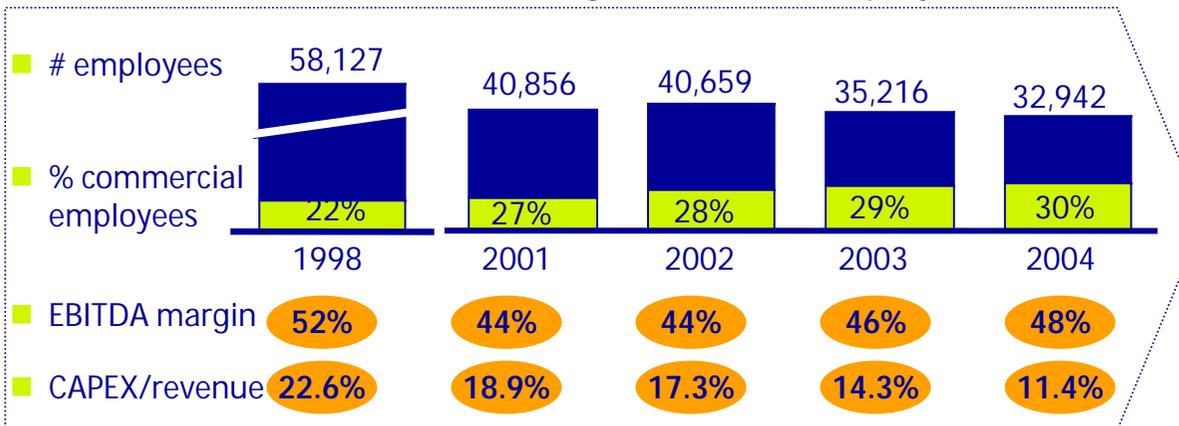
### 04 Commitments to continue delivering very strong results

# 01 Anticipation and transformation have driven dramatic changes in our company ...

## We are a more BB company



## We are a leaner, more efficient and stronger commercial company



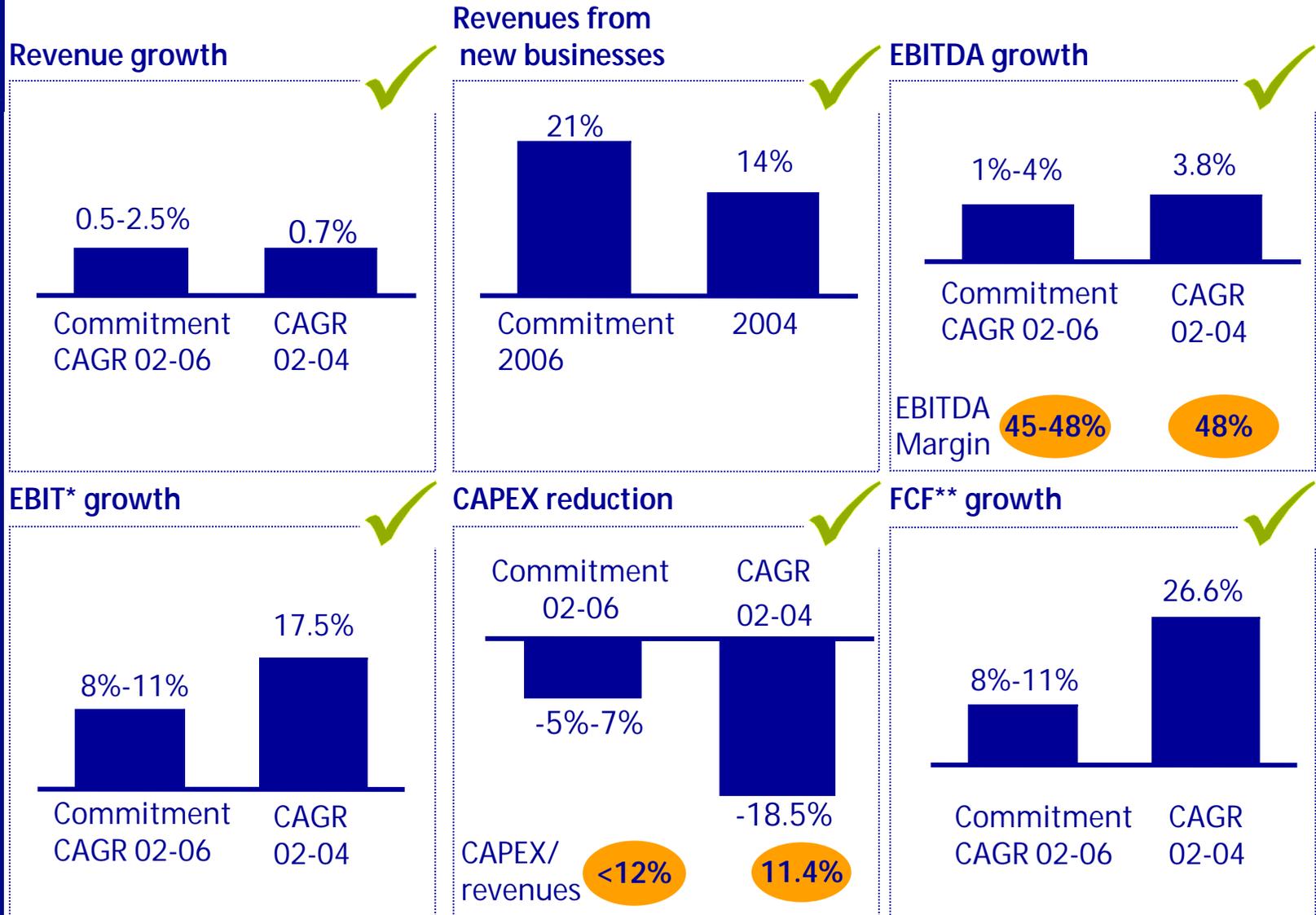
### Anticipation of the major upcoming trends:

- Aggressive deployment of DSL in 2001
- Launch of segmented BB VAS early on (e.g. Soluciones ADSL for SMEs)
- First steps in TV over DSL in 2002 (e.g. Imagenio)

### Transformation company effort:

- More customer oriented
- More efficient and leaner operating model

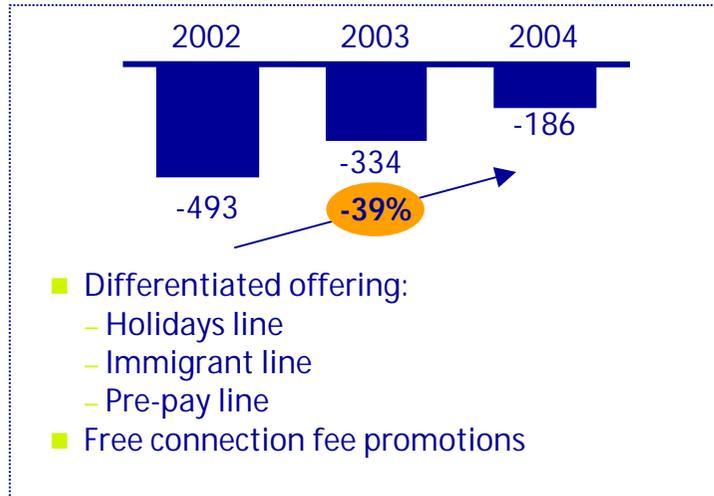
# 01 ... allowing us to achieve all the financial commitments announced in Madrid ...



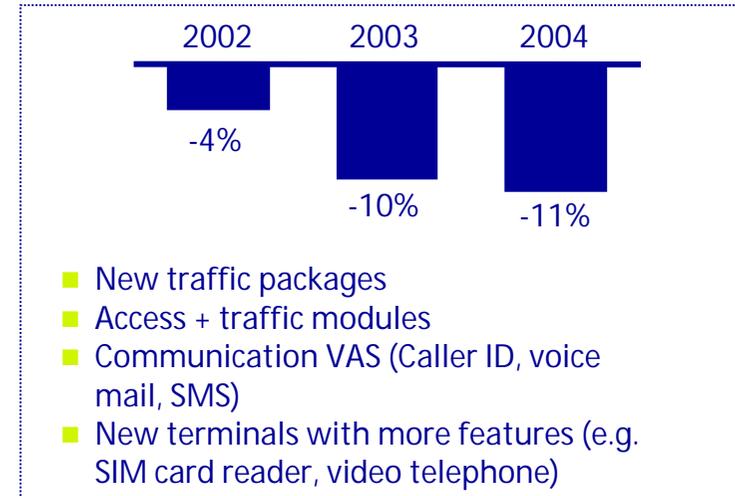
\*EBIT = EBITDA - depreciation and amortization  
 \*\*FCF = EBITDA - CAPEX - redundancy payments  
 Note: Parent Company TdE, integrating T-Empresas

# 01 ... and strengthen our sound operational fundamentals

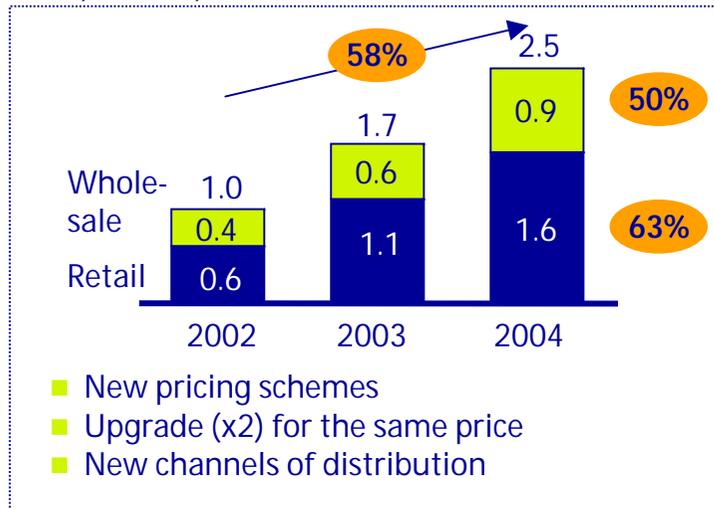
## 1 ... containing the lines decrease... Access lines net losses\* (Thousands)



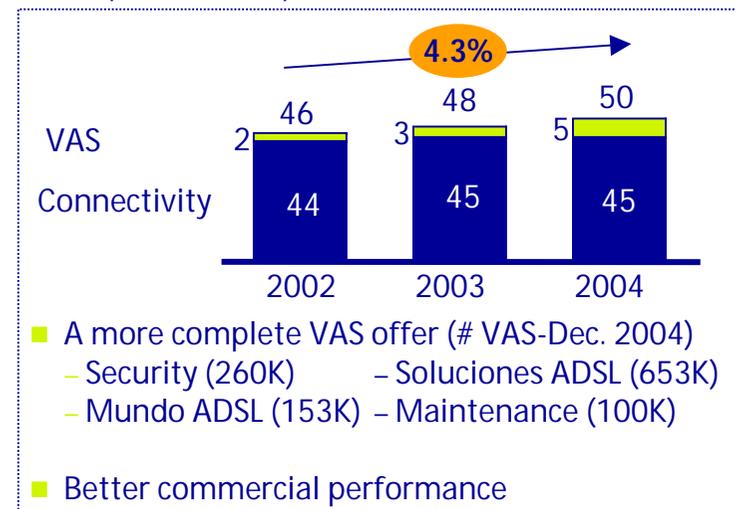
## 2 ... fighting voice traffic erosion... (% growth y-o-y)



## 3 ... boosting the number of DSL lines... (Millions)

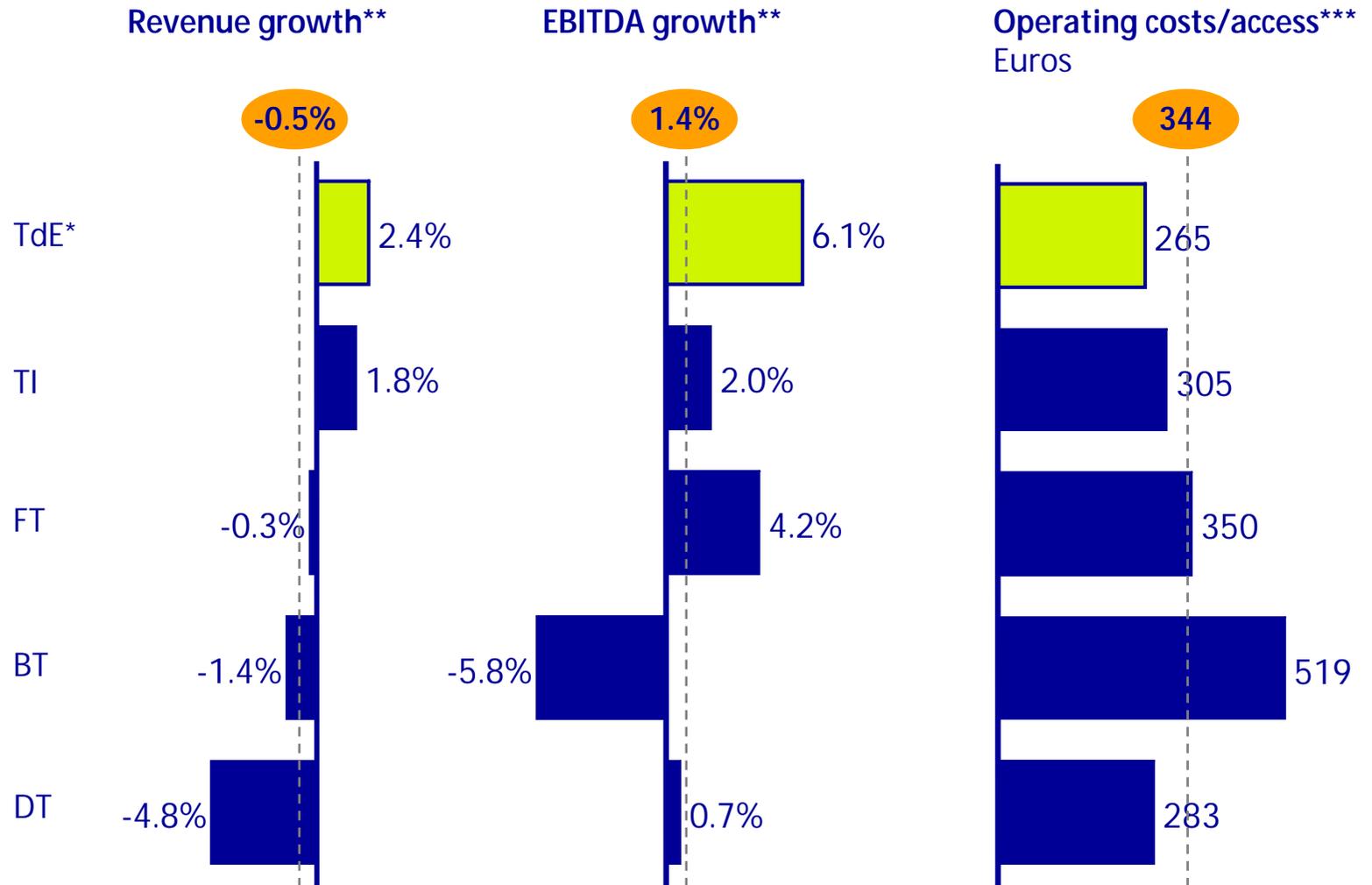


## 4 ... increasing retail ADSL ARPU (Euro/month)



\*PSTN + Basic Access ISDN

# 01 As a consequence, we are delivering in 2004 the best performance in growth and efficiency of the top 5 European incumbents in local markets



\*TdE Group  
 \*\*2003-04  
 \*\*\*Including PSTN + ISDN B.A. + ADSL 2004  
 Source: Infocom, internal estimates

## Index

01 Strong delivery and sound fundamentals

**02 Good positioning for the future**

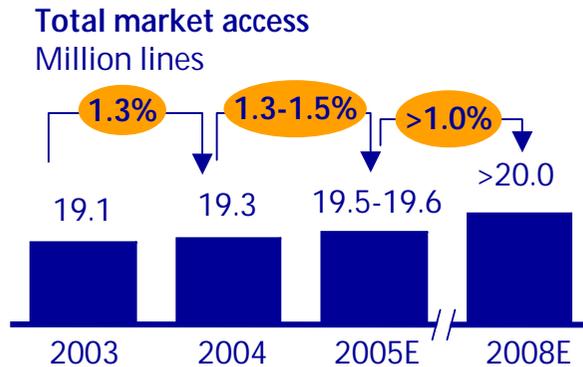
03 Two pillars of our strategy looking forward

- Develop client-specific communication, information and entertainment Broadband Solutions
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04 Commitments to continue delivering very strong results

# 02 Regarding the future, we foresee increasing demand, mainly driven by broadband adoption ...

Fixed access



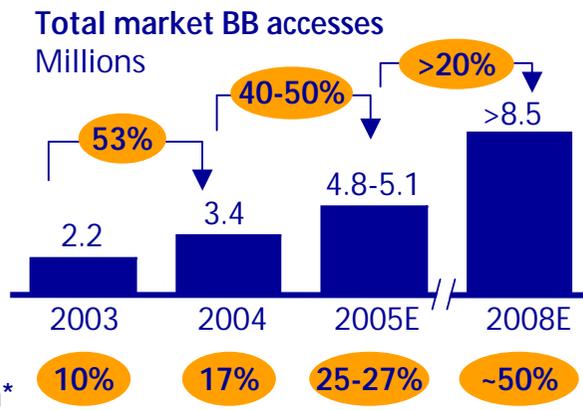
Access will increase due to household growth and BB penetration and will offset mobile substitution and VoIP deployment

Voice traffic



Traffic will continue its decline due to mobile and e-mail substitution and VoIP deployment, but it will be partially minimized by access increasing and wider use of flat rate traffic packages

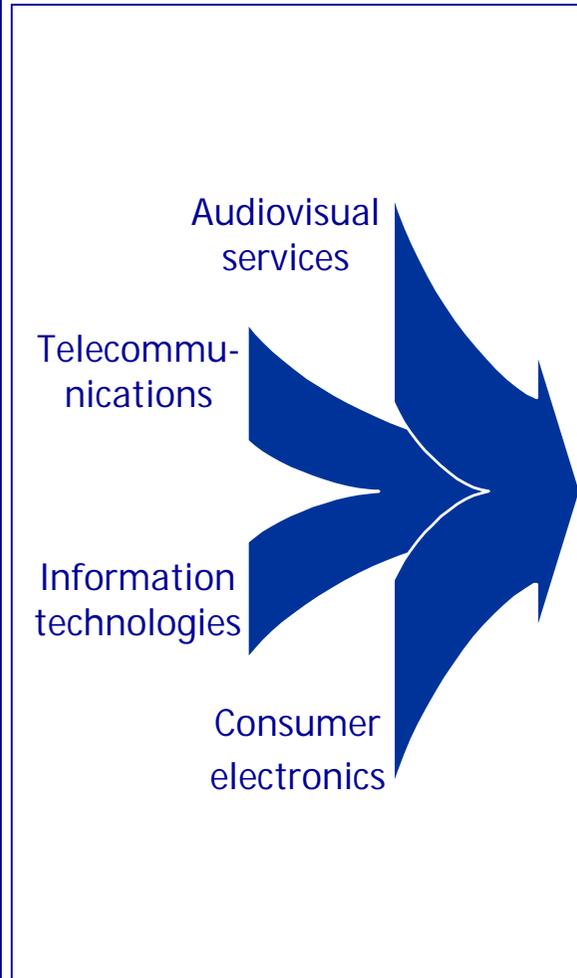
Broadband



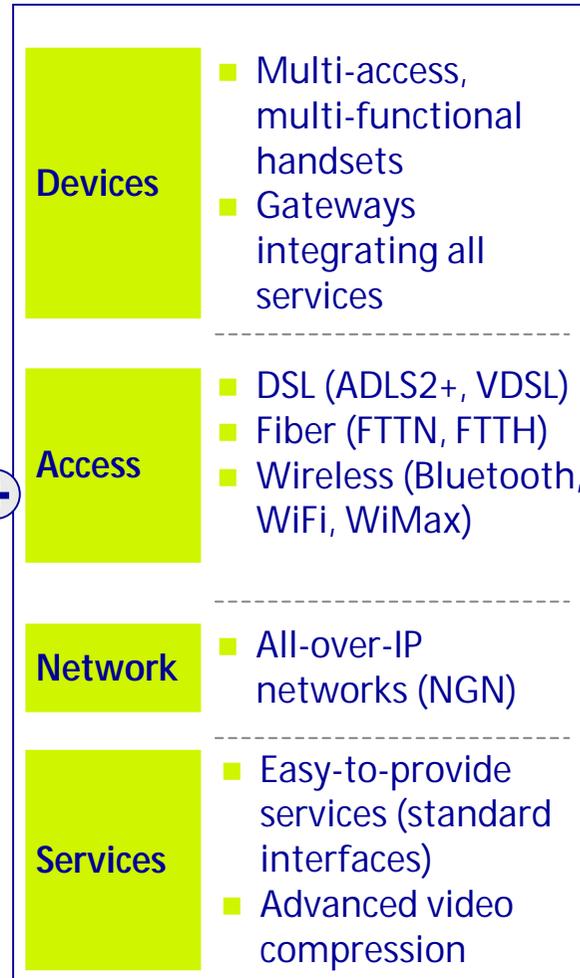
Broadband adoption will be generalized, driven by new pricing schemes and new compelling services over a BB connection

# 02 ... and a progressive convergence among adjacent businesses driven by new technologies that enable a wide range of opportunities

## Convergence



## Technological innovations



## New services alternatives for wireline operators



## 02 Our wireline competitors are also trying to take advantage of these opportunities, resulting in an increasing competitive pressure

	Current situation	Likely evolution	
<b>Cable operators</b>	<ul style="list-style-type: none"> <li>Consolidation process (from 12 in 1998 to 5 in 2004)</li> <li>Regional focus</li> <li>Bundled offers (2P, 3P, even 4P including mobile)</li> </ul>	<ul style="list-style-type: none"> <li>Greater consolidation (2/3?) of cable operators, evolving towards a more nation-wide commercial strategy</li> <li>Increase BB coverage through use of DSL over ULL</li> </ul>	<ul style="list-style-type: none"> <li>Difficult business feasibility for operators without scale:               <ul style="list-style-type: none"> <li>Fragmented market (15 major operators)</li> <li>Limited market share (largest operator controls 7% of total revenues)</li> </ul> </li> </ul>
<b>DSL-based operators</b>	<ul style="list-style-type: none"> <li>Aggressive 2P (DSL+Voice) offers launched in 2004 with the objective of capturing market quickly</li> <li>Increasing use of ULL</li> </ul>	<ul style="list-style-type: none"> <li>Moving to 3P and 4P offers</li> <li>Improving economics but higher risk through a more extended use of ULL and VoIP-based infrastructures</li> </ul>	
<b>Business-focused operators</b>	<ul style="list-style-type: none"> <li>Enhanced competitive position through a better quality of service</li> </ul>	<ul style="list-style-type: none"> <li>Reinforcement of current movements from adjacent businesses (e.g. System Integrators, IT providers)</li> </ul>	

## 02 Moreover, we expect regulatory policies to foster the development of infrastructure-based models

### Regulation

#### Pricing and commercial flexibility

- Liberalization of tariffs and progressive elimination of existing commercial restrictions once the analyses of the 18 relevant markets is concluded
- Possibility of geographically adapted value propositions

#### Regulation of new services and infrastructure

- Light regulatory framework for IP-based services (VoIP, IPTV, ...)
- No regulation of new infrastructures (e.g. fiber)

#### Wholesale services

- Focus of wholesale regulation on bottlenecks (local loop) and areas where there is no effective competition

#### Universal service

- Extension of our obligation until 2007
- Likely reduction of universal service obligations (e.g. information services, higher connection fees for high-cost lines)
- Establishment of financial fund

## 02 In this environment, we believe we are in a great position to face the future

■ **Market evolution:** increasing demand for communication services mainly driven by BB growth

■ **Technology and industry dynamics:** progressive convergence among adjacent businesses and availability of new technologies

■ **Competitive landscape:** intensifying fight to capture the new opportunities by evolving to wider bundles

■ **Regulation:** regulatory policies to favor infrastructure-based models

### TdE is ready

- **Strong client base (more than 12 million customers) and higher customer focus**
- **Complete and compelling offering (Voice, BB, IPTV, VoD, Data&IT Services) to address customer needs putting us ahead of cable and ULL based operators**
- **Advanced network infrastructure ready for future service demand**
- **Flexible cost structure, leaner processes, and lightened asset base**
- **More reasonable regulatory environment with higher liberalization and commercial flexibility**



We need to maintain our leadership as the most innovative, reliable and efficient company in the market

## Index

01 Strong delivery and sound fundamentals

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03 Two pillars of our strategy looking forward

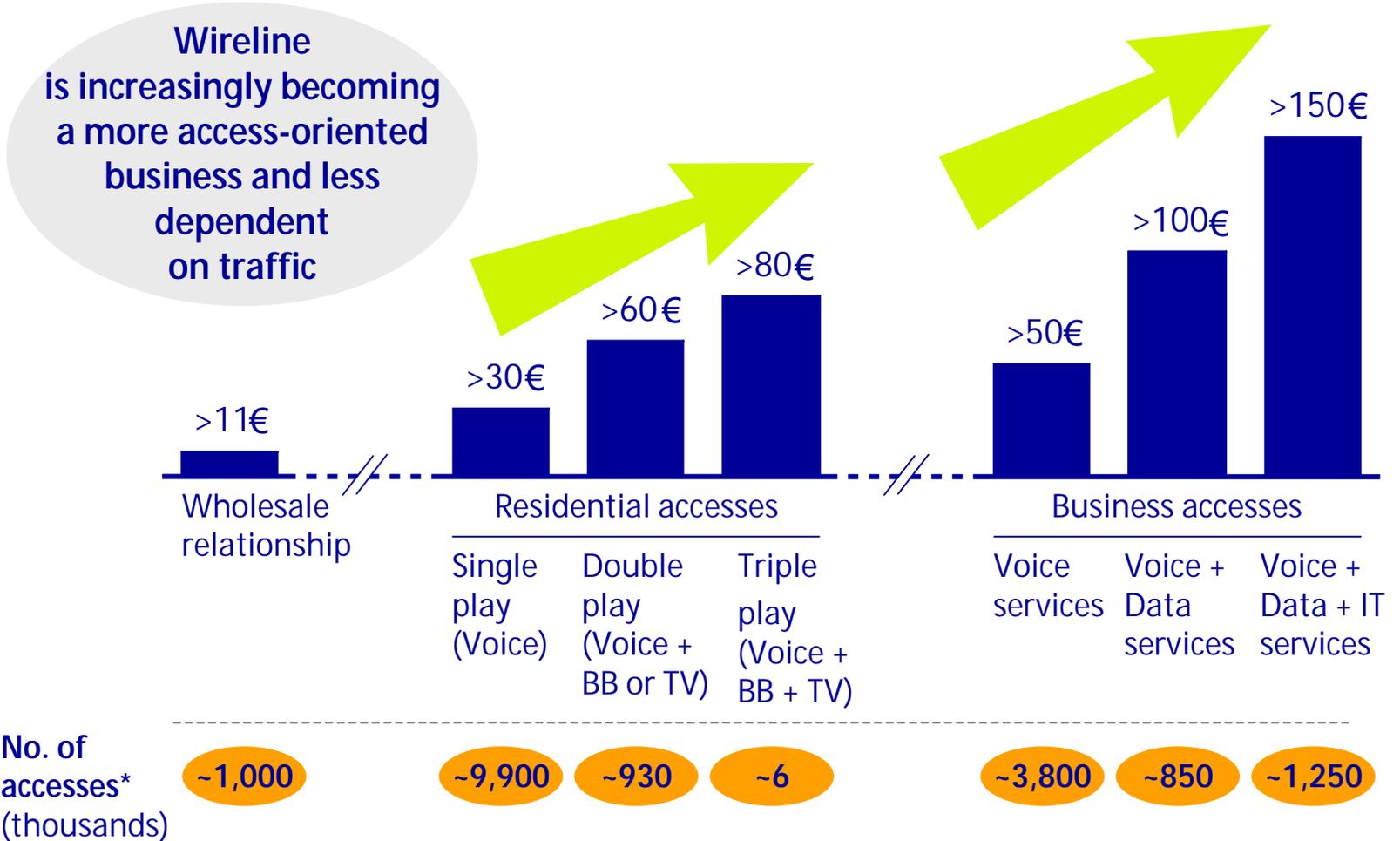
**Develop client-specific communication, information  
and entertainment Broadband Solutions**

– Deepen our transformation into a more commercially  
oriented and operationally excellent company

04 Commitments to continue delivering very strong results

# 03 Our main asset is our strong relationship with 12.5 M clients through 21 M accesses

ARPU per access (euro/month), December 2004



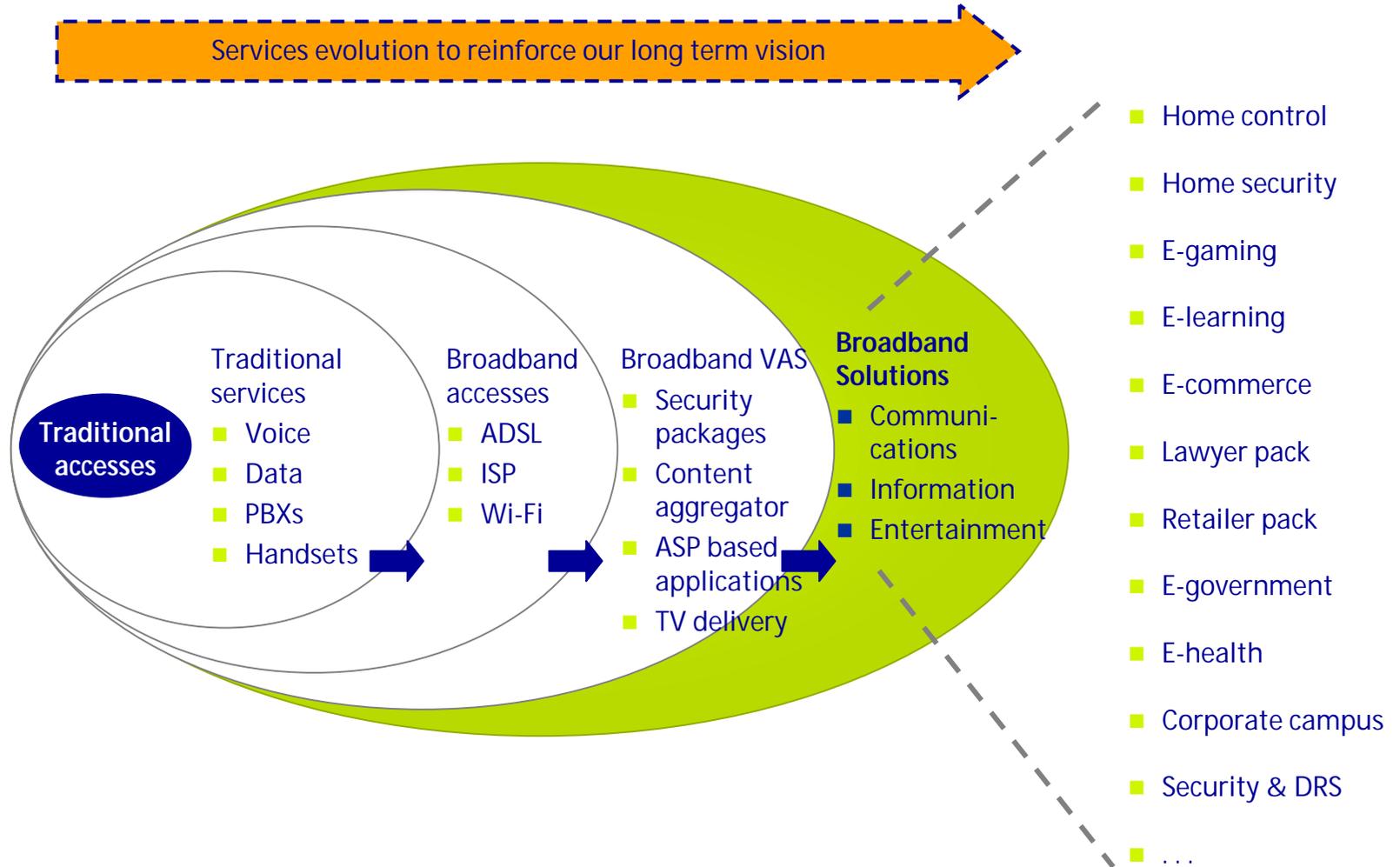
No. of accesses\* (thousands)

\*Total accesses calculated as: (1) wholesale + (1) single play+ (2) double play + (3) triple play + (1) voice services + (2) voice + data services + (2) voice + data + IT services

## 03 Customers demand simpler solutions to cover all their communication, information and entertainment needs ...

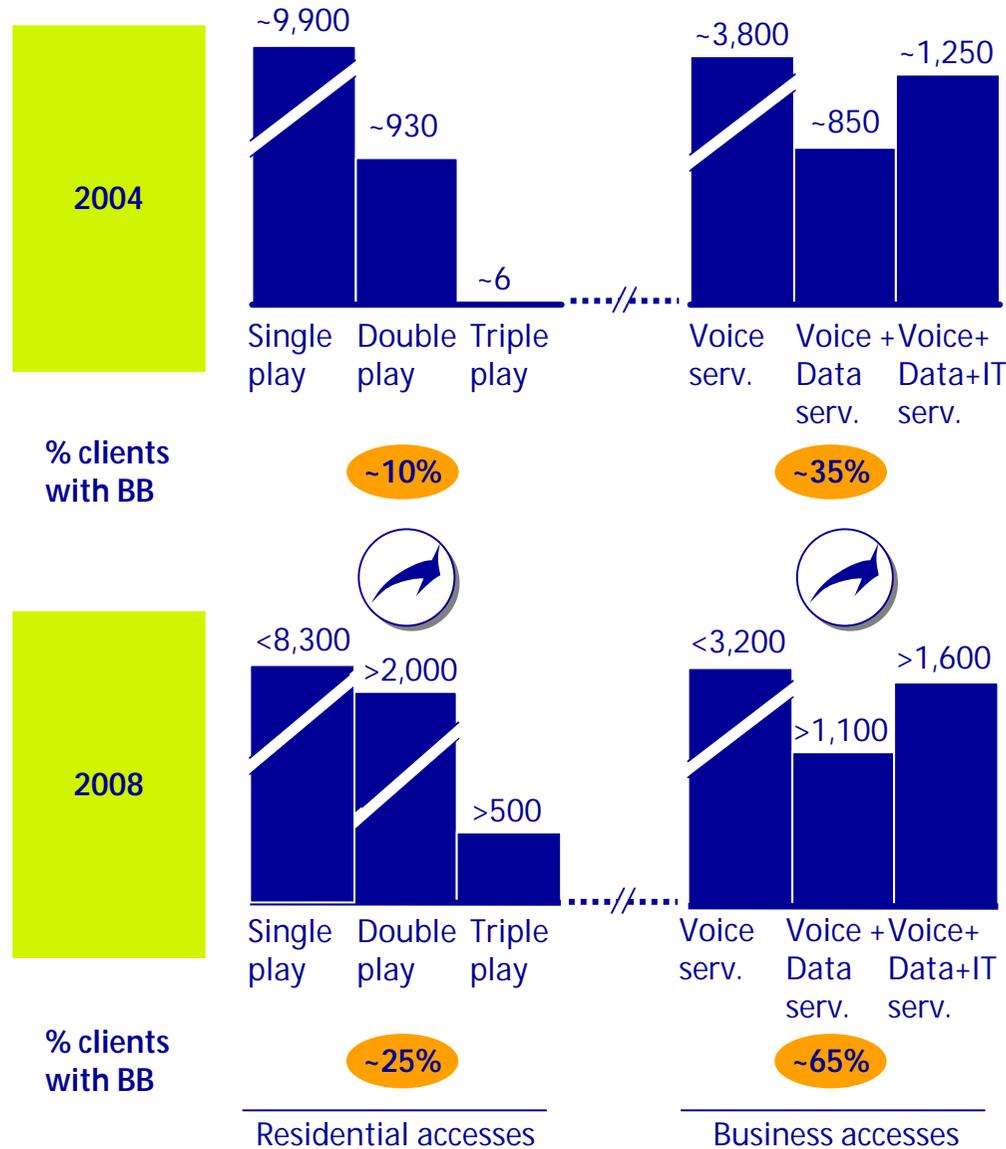


# 03 ... and we are taking a further step to evolve our services towards complete and integrated Broadband Solutions



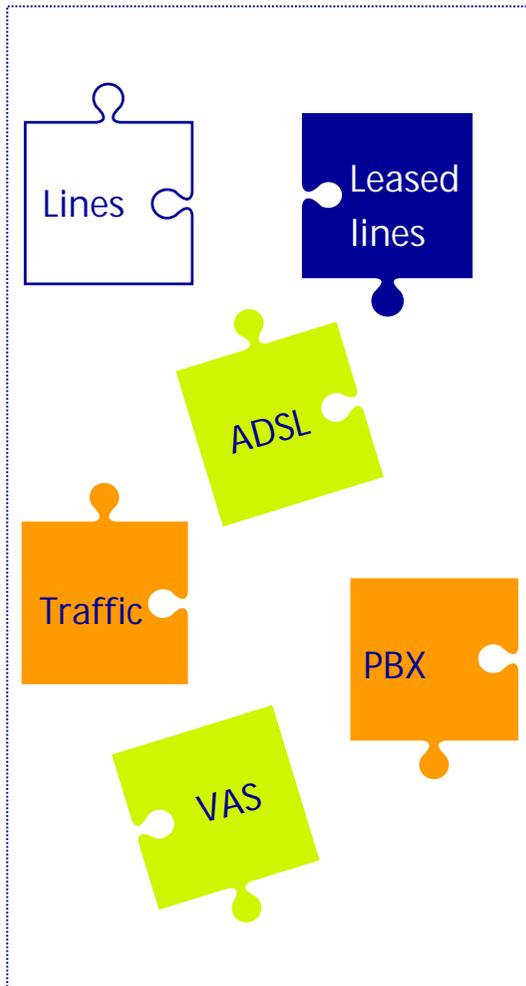
# 03 BB Solutions will accelerate migration to more valuable services while protecting our access base

Access distribution by services, Thousands

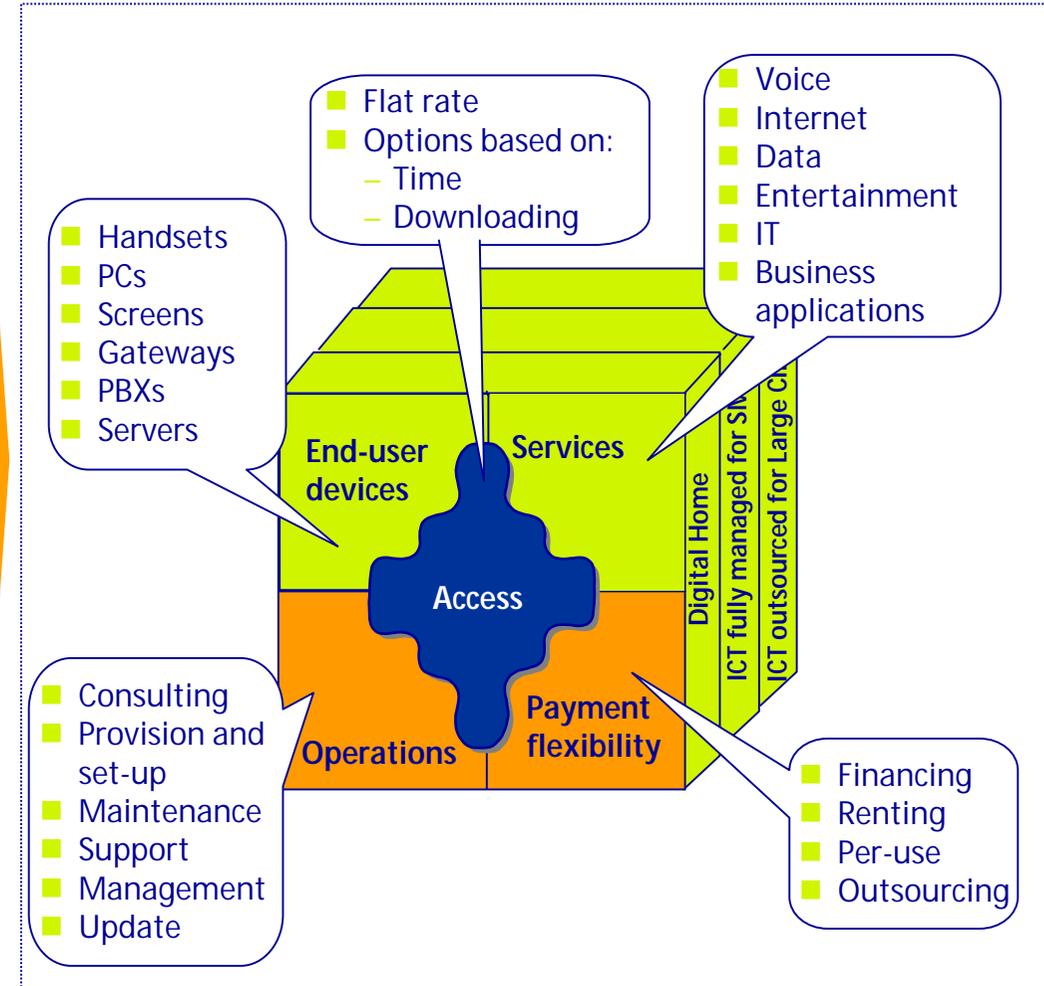


## 03 We are building client-specific BB Solutions around access with a wide range of operational and payment options

From a "parts provider" ...



... to a full range provider of complete, integrated and client-specific Broadband Solutions around access



## 03 Specific BB Solutions for each customer segment

### Homes



### Digital home

"We have all the services you need for communication, information and entertainment in your home"

### SMEs



### Large clients



# 03 The residential market is a real future opportunity

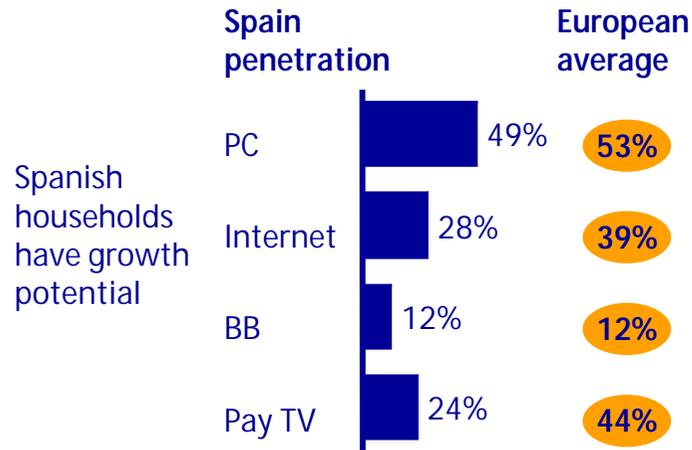
Over a growing household base...

Household growth in Spain is continuing, with more than 700,000 new houses in 2004

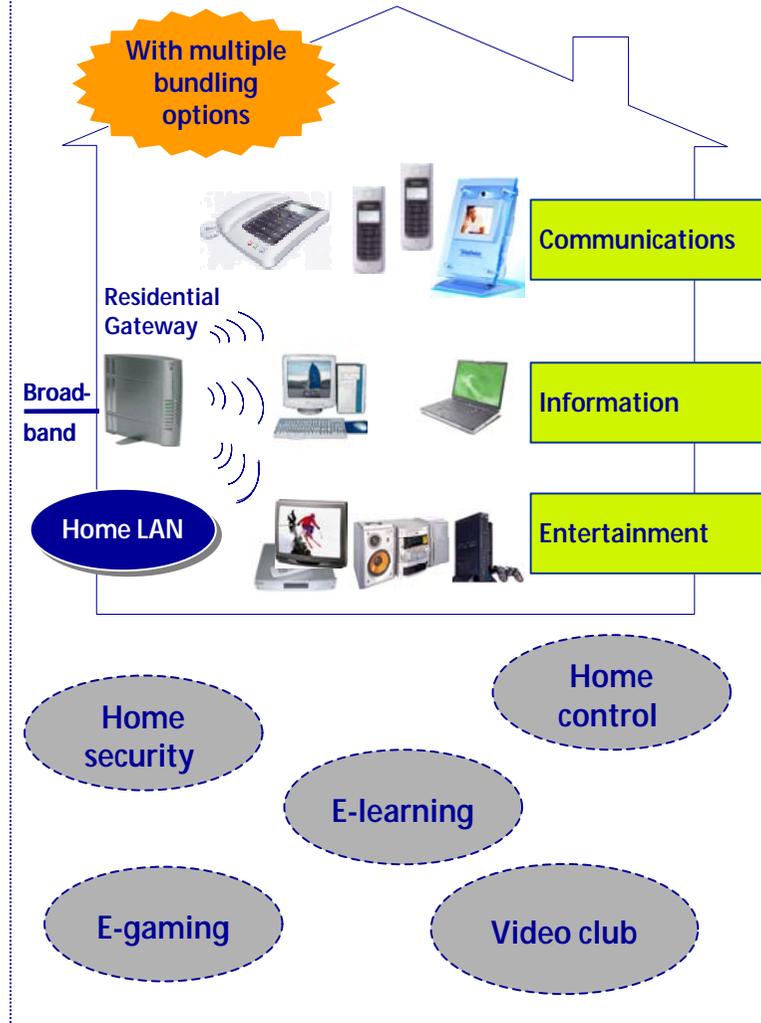
	Total houses	Main households	Vacation households	Unoccupied
Total	23.0 MM	14.7 MM	3.5 MM	4.8 MM
Without fixed line	10.2 MM (44%)	3.3 MM (22%)	2.1 MM (60%)	4.8 MM (100%)

+

...we expect the "home revolution"



"We have all the services you need for communication, information and entertainment in your home"



## 03 Our main objective for the residential segment is to develop a highly competitive triple play offering

We are developing a compelling triple play for the residential segment in order to ...

1 ... capture market potential growth to extend the current 1.2 million BB accesses and 0.5 million BB VAS base that generate a BB ARPU of 39€/month

2 ... be positioned ahead of cable operators by focusing on key competitive factors

- Coverage
- Bandwidth
- New interactive services
- Quality of service

3 ...anticipate ULL-based operators with a distinctive and competitive triple play offer

# 03 Imagenio is a distinctive and competitive entertainment service for home use

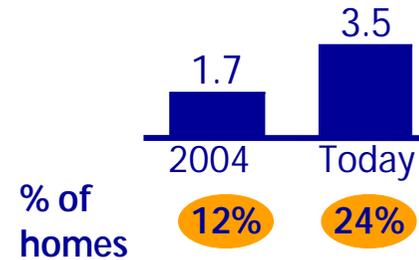
	Key features	Positioning against competitors
	<b>Wide range of channels</b> <ul style="list-style-type: none"> <li>40 TV channels + 15 music channels</li> <li>PPV Spanish football league</li> </ul>	=
	<b>Full interactivity</b> <ul style="list-style-type: none"> <li>Video on Demand (+300 movies, TV series, documentaries, news, music)</li> <li>Enhanced services (e.g., e-commerce)</li> <li>Internet access from the TV set</li> </ul>	+ +
	<b>Advanced home gateway</b> <ul style="list-style-type: none"> <li>VoIP capability</li> <li>Wi-Fi capability for Internet access</li> <li>Home Plug capability for video transmission within the house</li> <li>Decoder ready for Digital Terrestrial Television</li> </ul>	+ +
	<b>Simple installation</b> <ul style="list-style-type: none"> <li>Plug and play: easy installation and no additional wiring or antennas required</li> </ul>	+
	<b>Competitive pricing</b> <ul style="list-style-type: none"> <li>Basic fee from 12€</li> <li>Movie (on-demand) from 1€</li> <li>Football match from 5€</li> </ul>	=

# 03 With Imagenio we will be able to provide entertainment to more than 50% of homes by 2008

*imagenio* »



Homes with Imagenio coverage  
Million households



Top 104 cities  
with Imagenio  
coverage  
in April-05

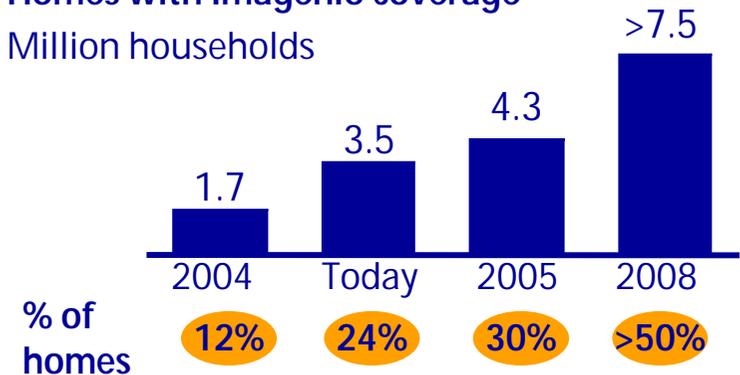
# 03 With Imagenio we will be able to provide entertainment to more than 50% of homes by 2008

**imagenio** »



Homes with Imagenio coverage

Million households



All province capital and major cities (top 138) with Imagenio coverage in July-05

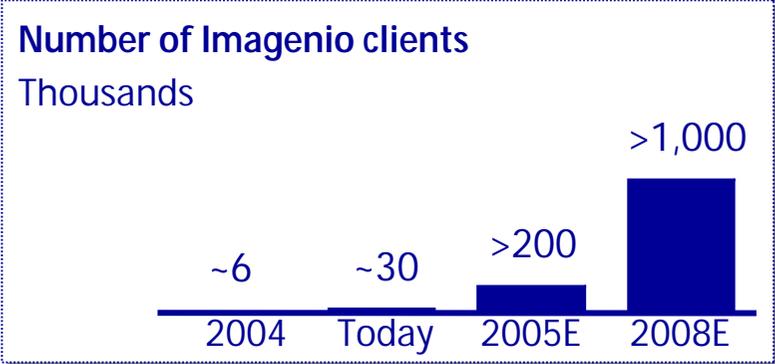
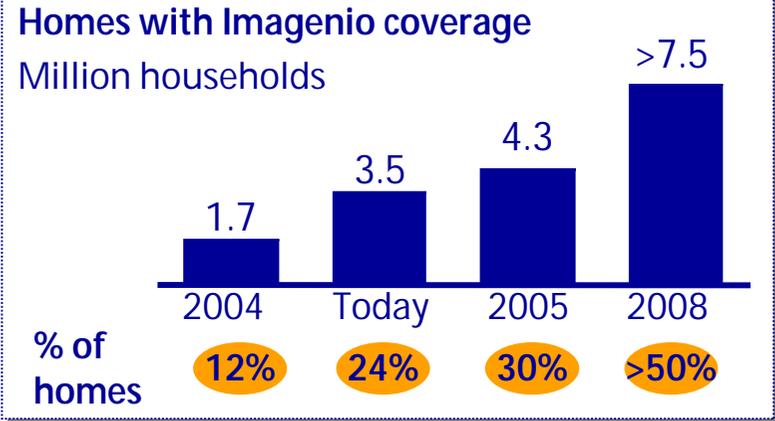
# 03 With Imagenio we will be able to provide entertainment to more than 50% of homes by 2008

**imagenio**

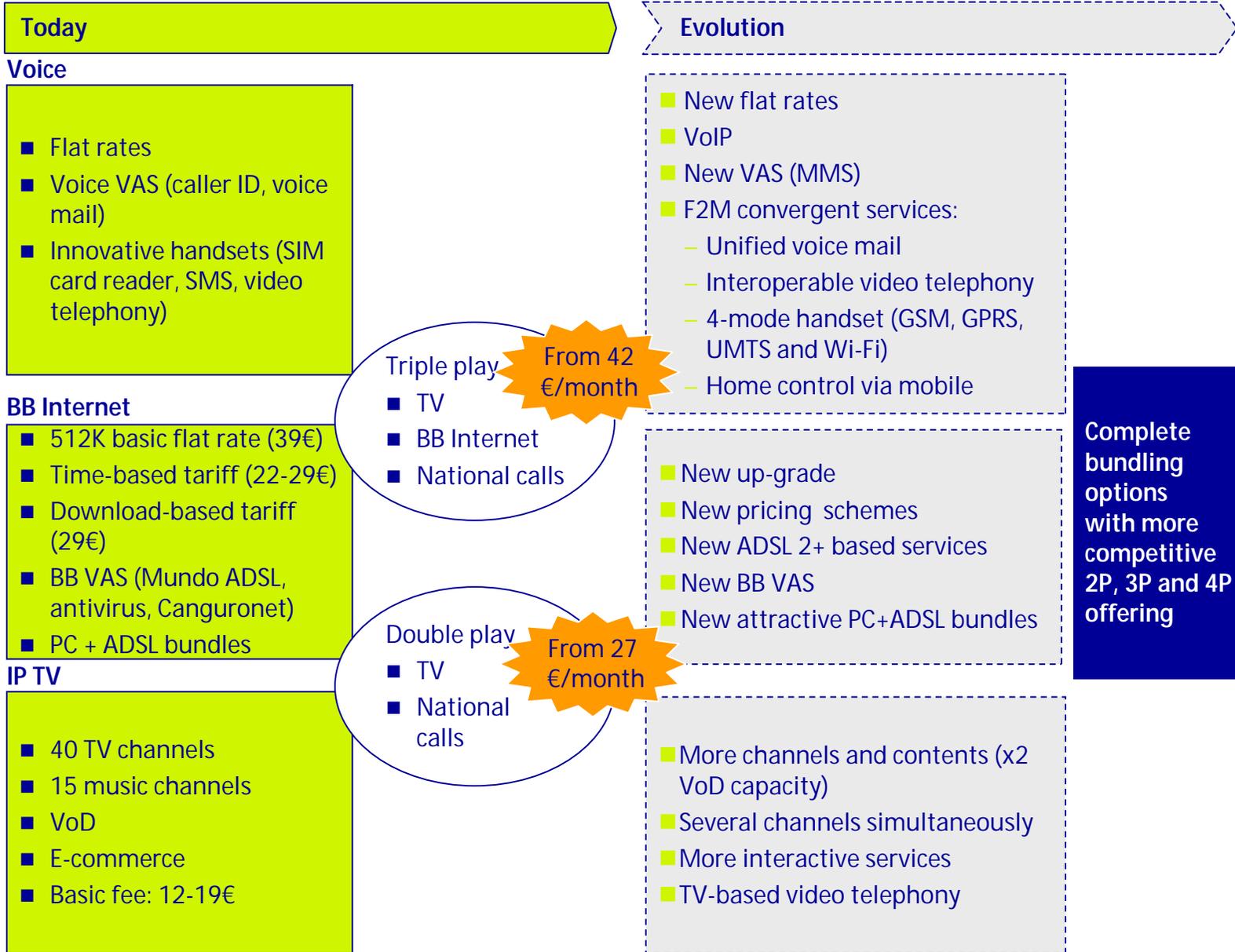


**All province capital and major cities (top 138) with Imagenio coverage in July-05**

**Additional lever to foster broadband penetration growth (+50% of new adds are only TV)**



# 03 Therefore, we have completed our portfolio of services and we are developing compelling bundling options



## 03 Specific BB Solutions for each customer segment

### Homes



### SMEs



#### Fully managed ICT

"We advise, sell, install, maintain, and manage your communication and IT solutions for a set monthly fee"

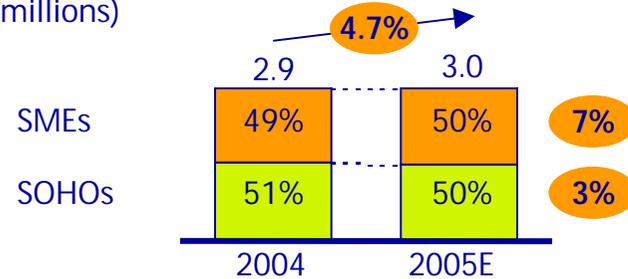
### Large clients



# 03 The SMEs and SOHOs market represents a great opportunity for those who understand their needs

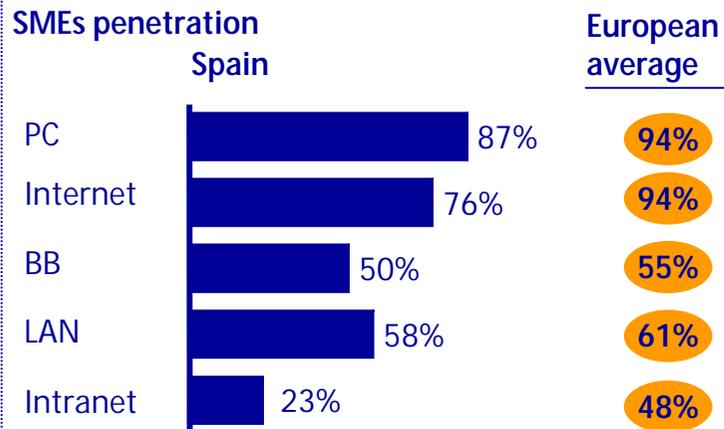
In a dynamic environment that shows significant new business creation...

# businesses  
(millions)

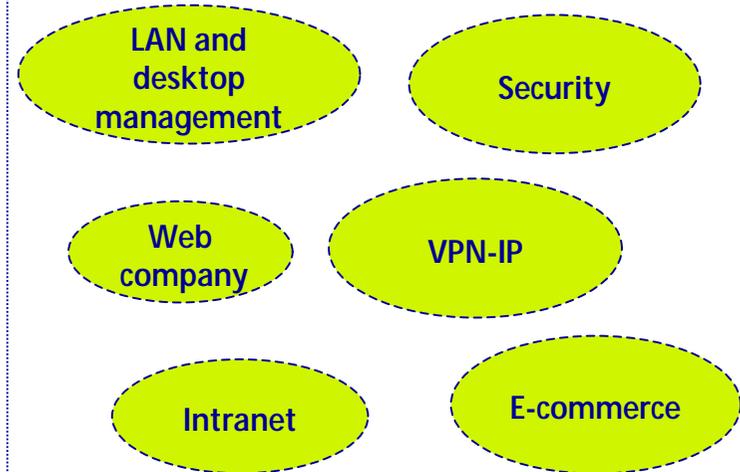
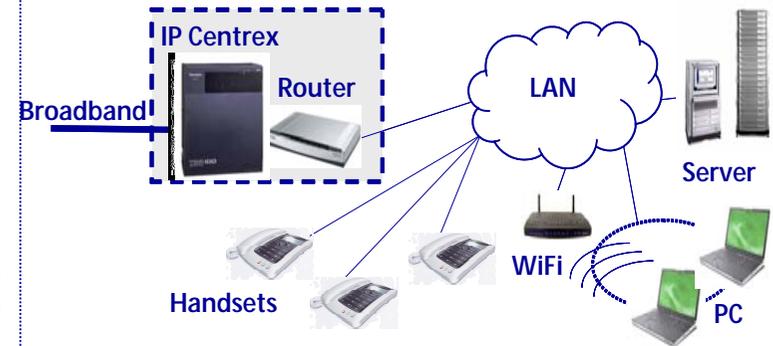


+

... business segment will be more technology intensive



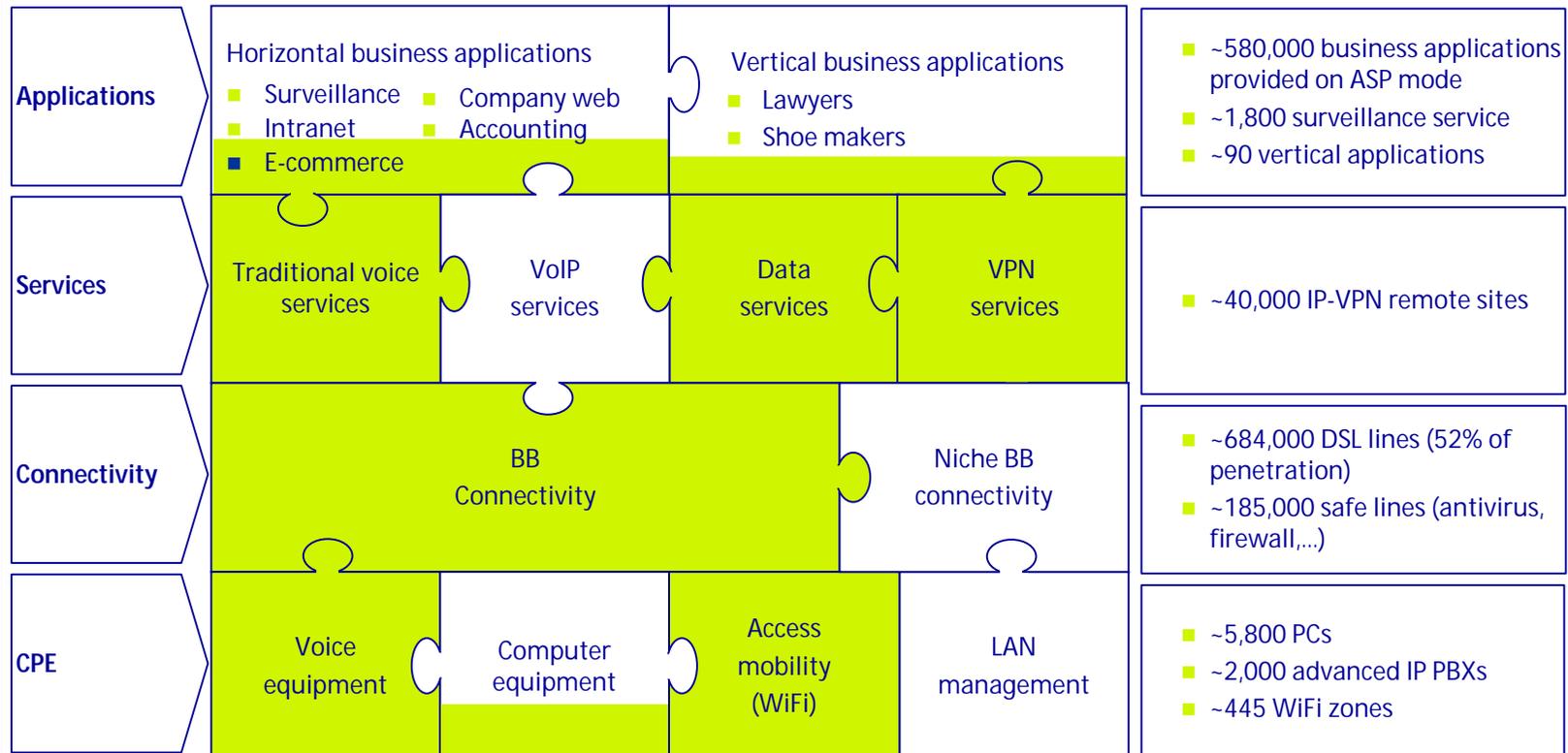
"We advise, sell, install, maintain, and manage your communication and IT solutions for a set monthly fee"



# 03 On top of BB connectivity, we are building ICT solutions, having already achieved encouraging results ...

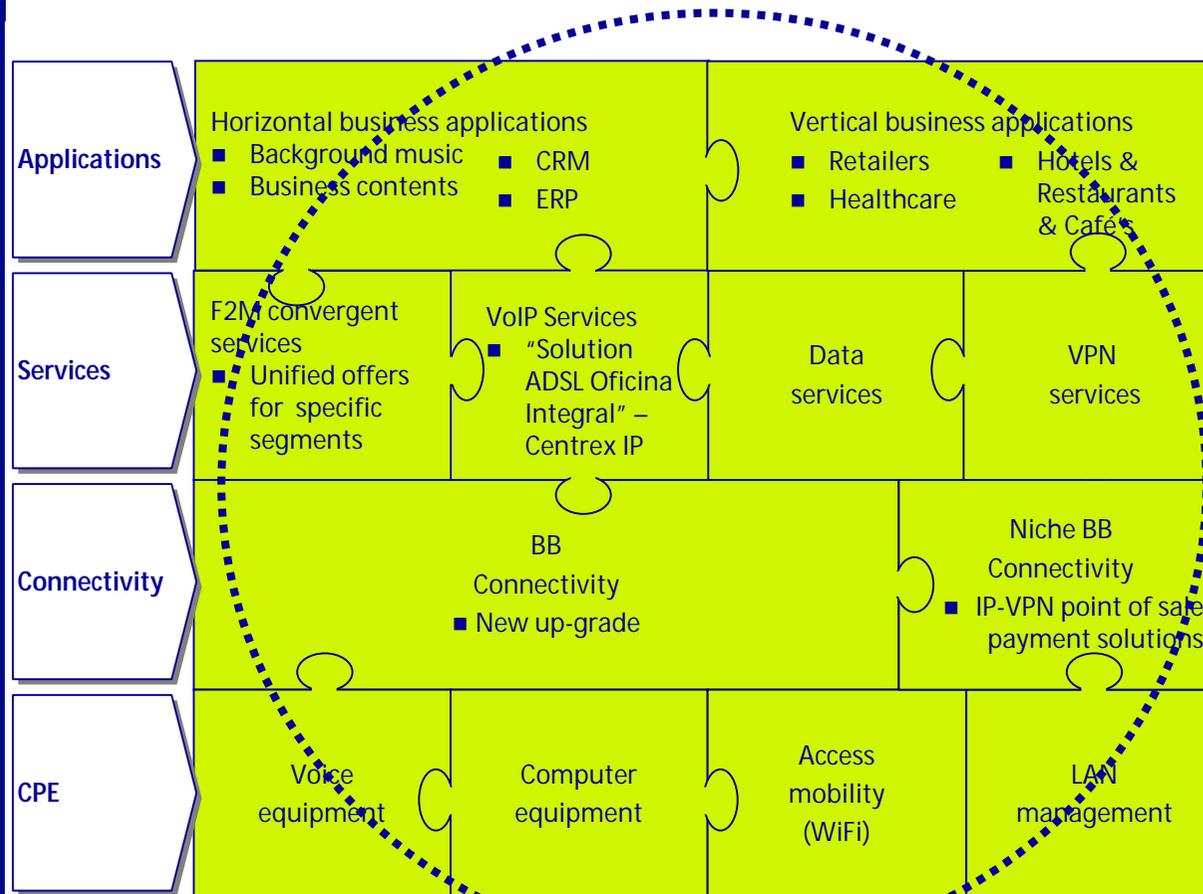
Current offering

Current status (March 2005)

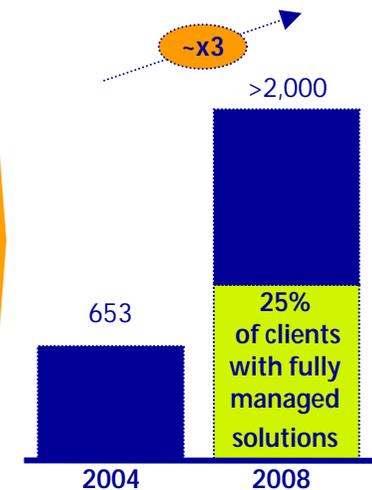


- 807,000 "Soluciones ADSL"
- ~11€ Solutions ARPU (~83% last year increase) in addition to 51 € of connectivity
- Solutions revenues multiplied by 3 last year

# 03 ... and we will further enhance our offering for fully managed solutions to capture ICT growth opportunities



Number of Solutions  
Thousands



- Installation
- Configuration
- Maintenance
- Support
- Help desk
- Payment flexibility

## 03 With this complete and integrated offering we are leading and shaping this market segment

### Communication services (voice and data)

- Voice equipment
- Voice service (traditional and IP)
- Data services
- VPN services

### Fully managed ICT solutions

- Computer equipment (complete desktop management)
- LAN management
- Applications (ASP mode)

TdE portfolio

Competitor's portfolio

Competitors are mainly focused on integration of voice and data services leveraging IP technologies

TdE is the first mover into a complete and fully managed ICT Solution

With this unique market positioning we will maintain our strong leadership in the SoHo & SMEs market

## 03 Specific BB Solutions for each customer segment

### Homes



### SMEs



### Large clients



#### ICT outsourced

"We offer customized and end-to-end solutions for all communication and IT needs under an outsourcing model"

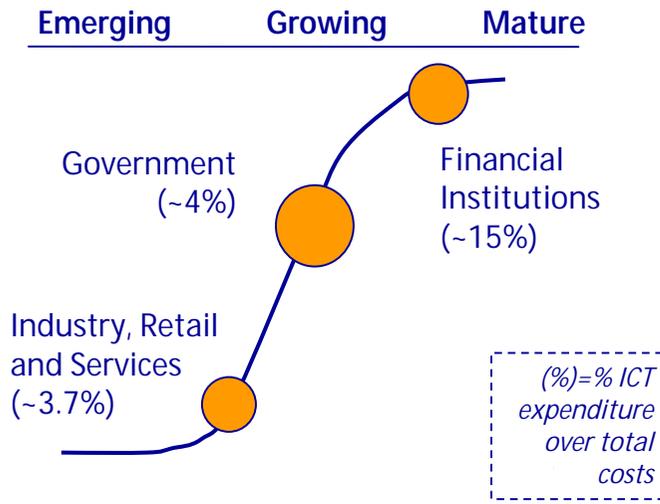
# 03 Our main objective for large clients is to develop end-to-end outsourcing solutions to cover all their ICT needs

## Large clients are continuously expanding...

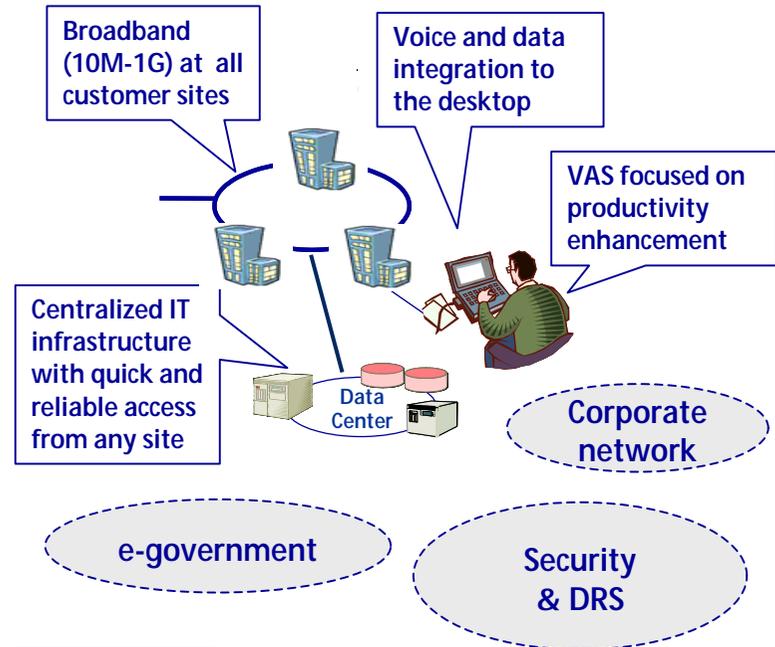
- Stable number of clients (~2,000)
- Greater need for ICT to support national and international expansion



## ... and will be more technology intensive



"We offer customized and end-to-end solutions for all communication and IT needs under an outsourcing model"



**Sectorized consultive sales force**

- Highest commercial capillarity based on ~400 account managers and specific multi-disciplinary account teams

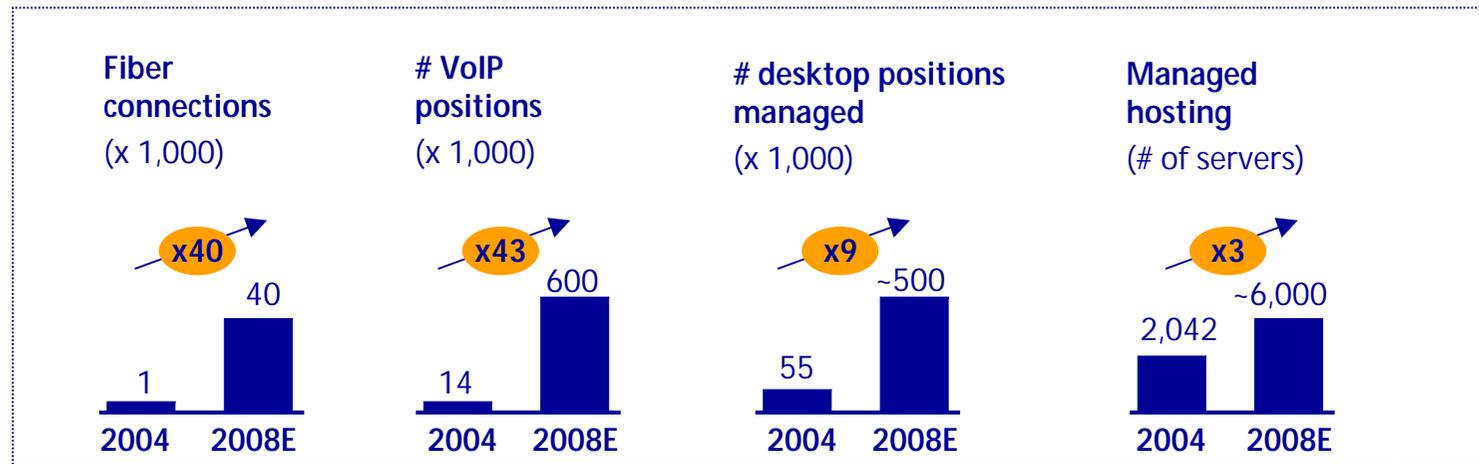
**First-class customer care**

- High levels of quality service

# 03 Our objective is to develop an innovative, complete, and customized offering ...

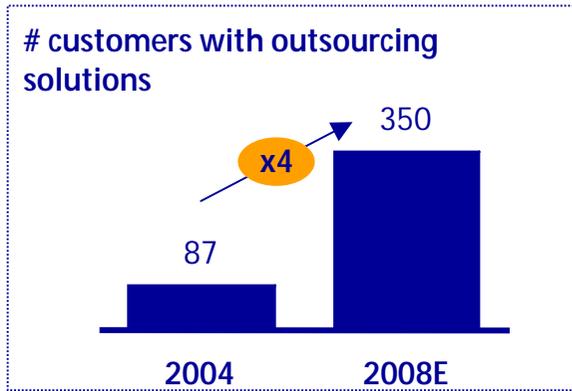
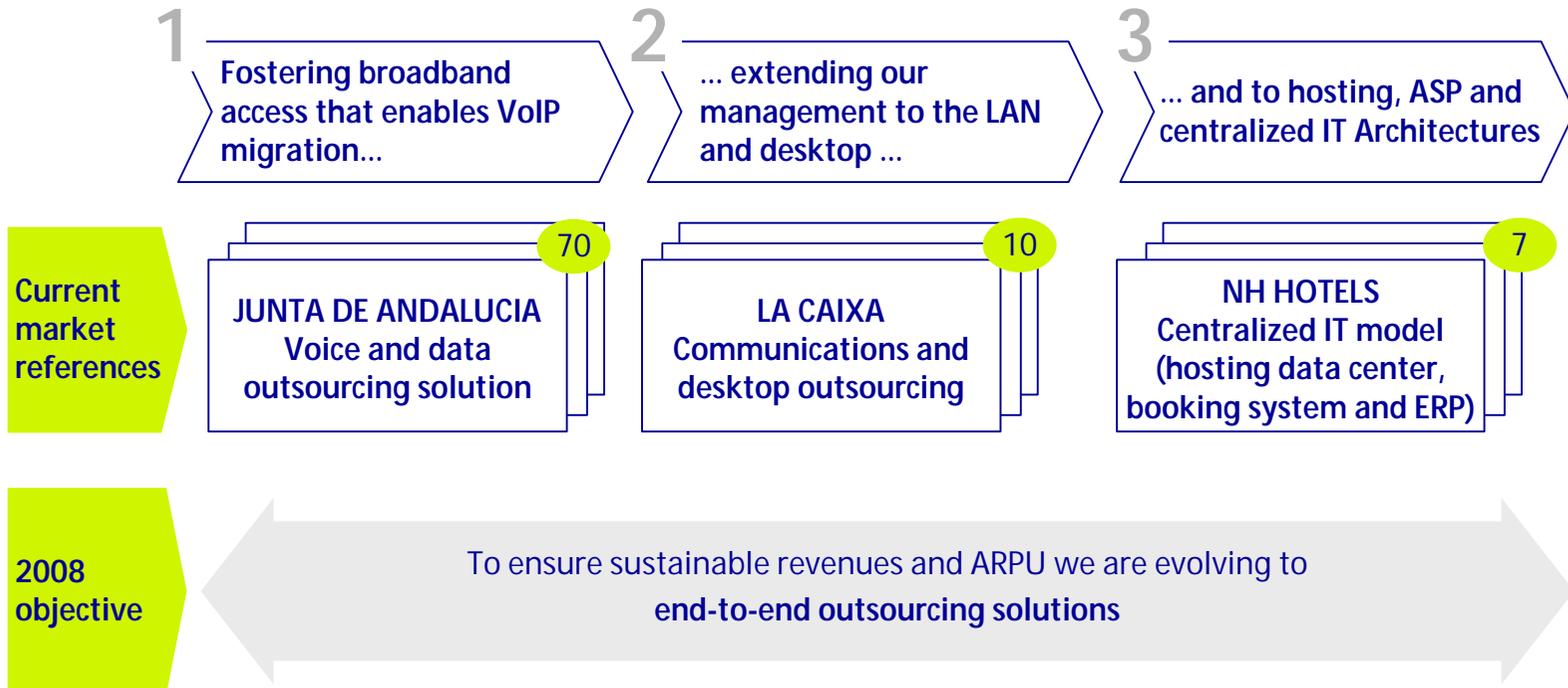


- Broadband access in all customer sites (DSL+FTTP)
- Integrated IP-based solution (voice+data VPN+advanced IP VAS) through Ibercom IP
- Extend traditional management (voice and data devices) to:
  - Desktop: PC, note-book, printer, mobile handset
  - LAN
- Managed hosting
- Systems integration
- Secure data storage
- Applications on-demand
- Business Continuity and Disaster Recovery solutions



# 03... building long-term relationships with our customers through an outsourcing model

● Number of customers



- Distinctive competitive positioning versus other telecom operators
- Defense against entrance by players from adjacent industries (e.g. IT, systems integrators)

## 03 Client-specific BB Solutions set the path for our future

### Homes



“We have all the services you need for communication, information, and entertainment in your home”

### SMEs



“We advise, sell, install, maintain, and manage your communication and IT solutions for a set monthly fee”

### Large clients



“We offer customized and end-to-end solutions for all communication and IT needs under an outsourcing model”

Allowing us to continue growing through:

- Ambitious BB goals
- Defense of our traditional business

# 03 Our priority is to achieve our three main strategic goals in broadband...

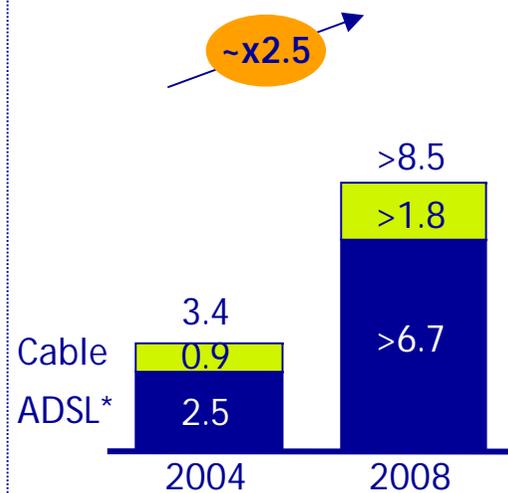
● CAGR

To increase BB penetration

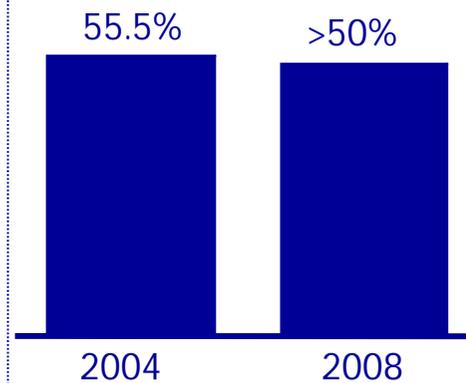
To defend BB market share

To manage BB ARPU

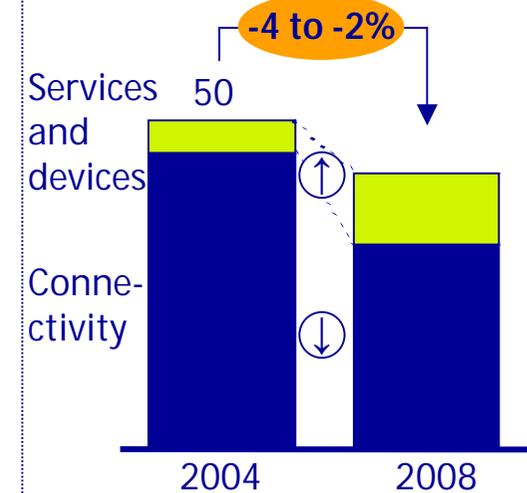
Million BB accesses



Group retail BB market share



Euros/month



**Achieve more than 4 million of ADSL retail accesses by 2008 (Telefónica Group)**

\*Retail, Wholesale (bit stream) and ULL-based DSL

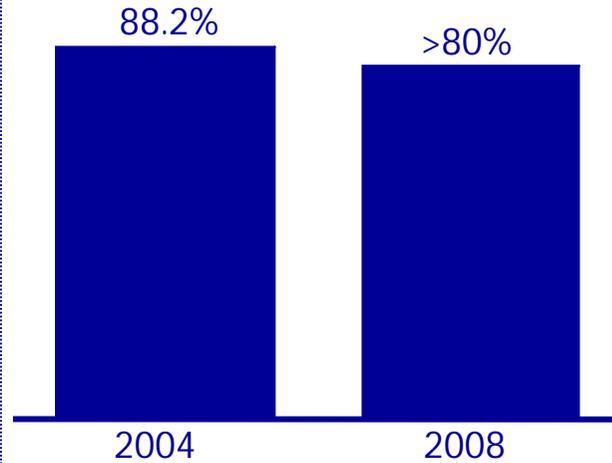
# 03 ... while defending our traditional business ...

4  
Investor  
Conference

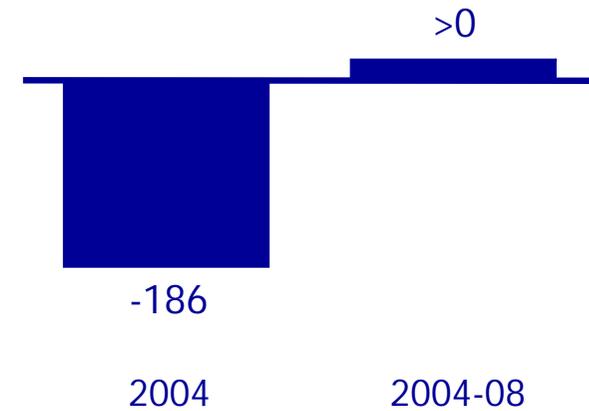
Traditional  
accesses

Voice  
traffic

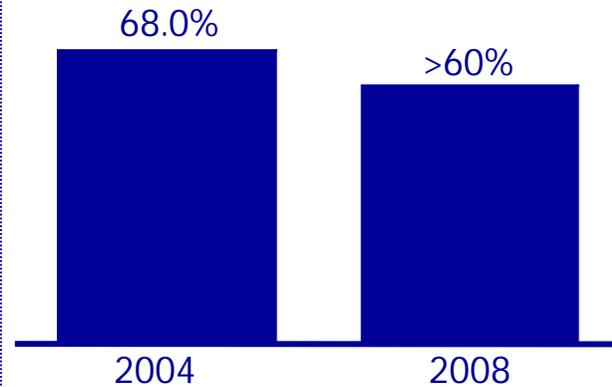
Access market share\*  
Percentage



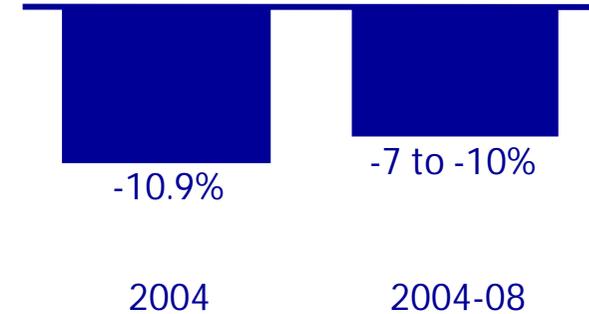
Access line net variation\*  
Thousands



Outgoing traffic market share  
Percentage



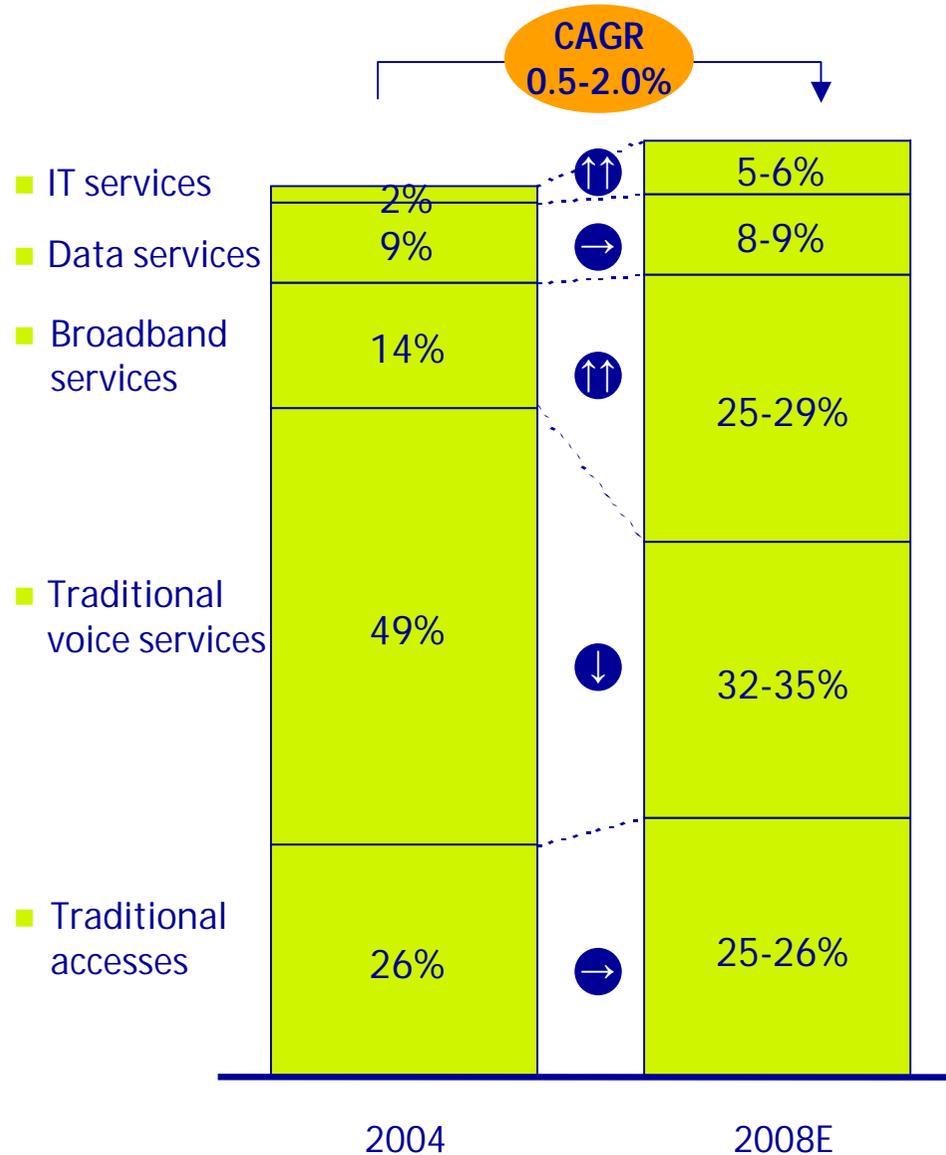
Outgoing traffic  
% growth y-o-y



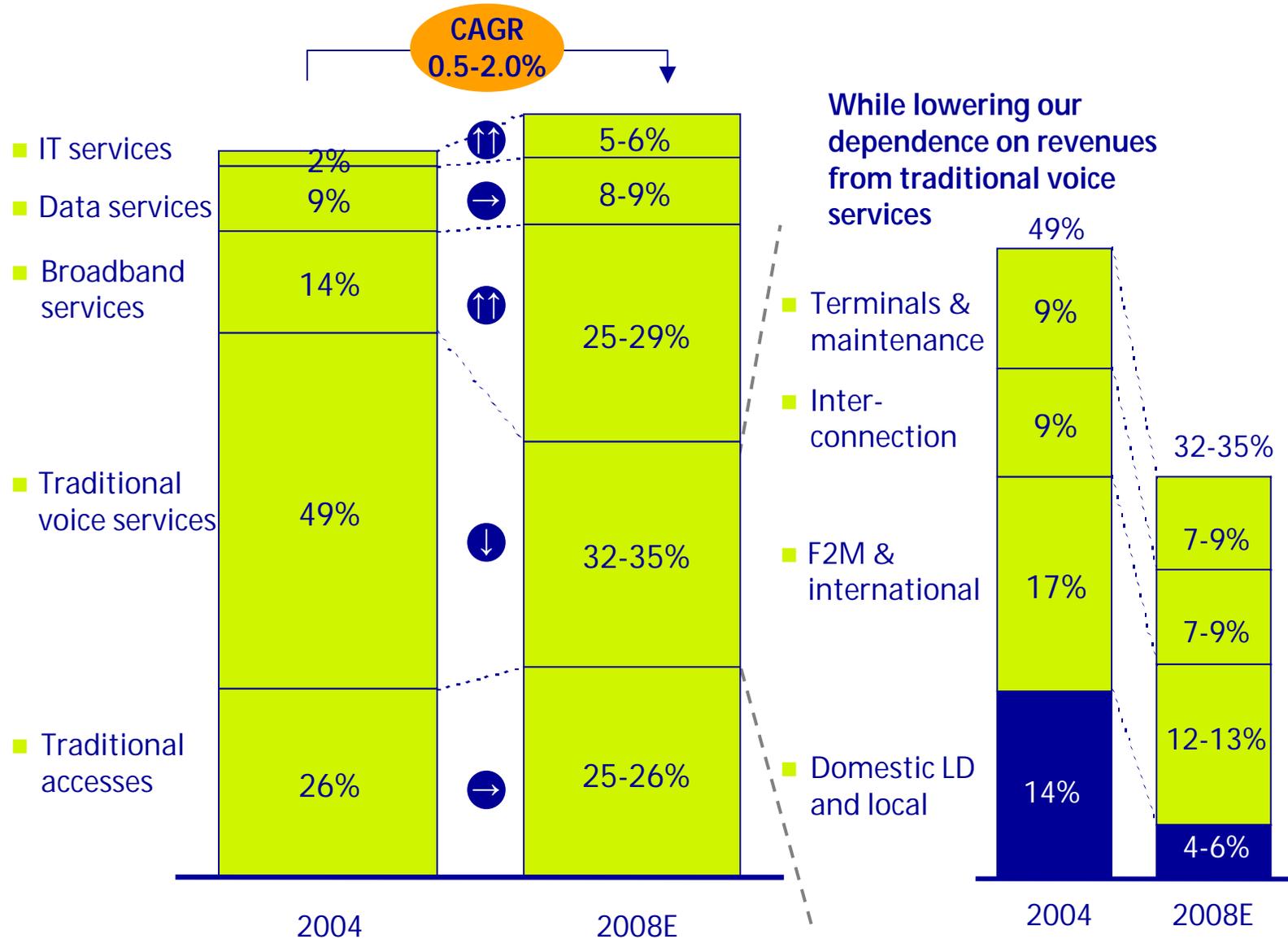
Telefonica

\*PSTN + B.A. ISDN

# 03... leading to our primary objective: to continue growing



# 03... leading to our primary objective: to continue growing



While lowering our dependence on revenues from traditional voice services

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# 03 We need to continue our company transformation efforts

## Continuously challenging environment

Opportunity to go deeper into adjacent services

Increasing competitive pressure

Traditional businesses erosion

## Implications for TdE

New capabilities are required

Customer satisfaction as a key loyalty lever

Pressure on margins

Deepen our transformation into an **operationally excellent and commercially oriented** company

- Commercial drive**
  - Build capabilities throughout the commercial areas
  - Enhance customer care performance in call centers
  - Manage web of commercial channels
- Operational excellence**
  - Quality improvement focused on client satisfaction
  - OPEX reduction mainly based on efficiency programs
  - CAPEX optimization

# 03 To provide BB Solutions we are reinforcing our commercial drive

## We are building capabilities throughout the commercial areas ...



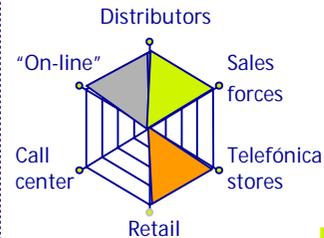
- Enhanced consulting skills in sales force
- Commercial capabilities building program
- More than 1,000 additional commercial hires by 2008

## ... and moving our call center to a higher level of performance



- Customer value based model
- Proactive cross-selling
- Integrated care model from sale to complaint resolution

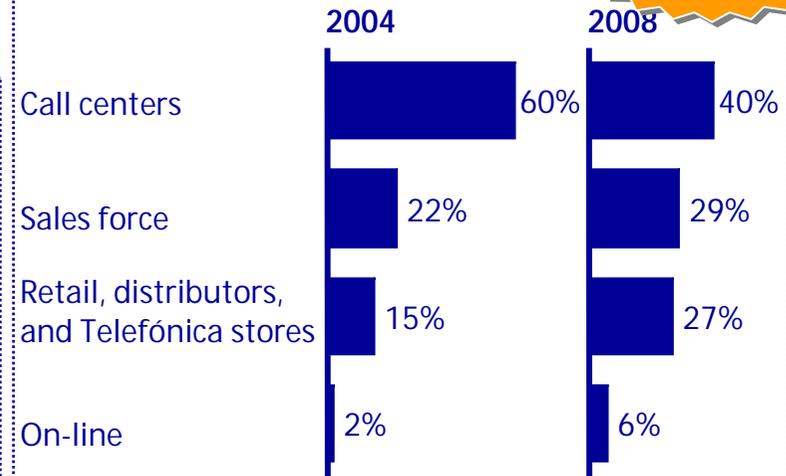
## We are developing a web of channels for higher effectiveness



- More than 2.500 point of sales (March 2005)
  - 200 in large retailers (El Corte Inglés, Alcampo)
  - 104 in Telefónica Stores
  - 2,200 in Distributors
- Develop a multichannel strategy focused on increased capilarity and proximity

**Commercial collaboration with TME**

## Channel mix evolution



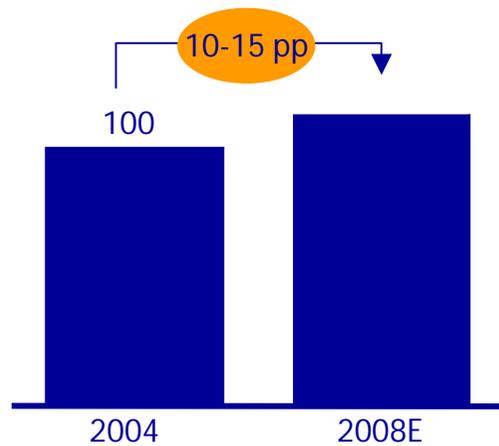
# 03 Operational excellence goes beyond efficiency and productivity improvement

We have launched specific and horizontal programs that address both quality and efficiency:

- Customer care: redesign of client interaction processes/systems
- BB services provisioning: increase effectiveness and efficiency by applying 6-sigma and lean techniques
- Corporate billing: sophistication of billing system as competitive advantage
- Network evolution: opex saving through a higher IP infrastructure
- Additional efficiency programs: 5 specific efficiency programs linked to quality improvements

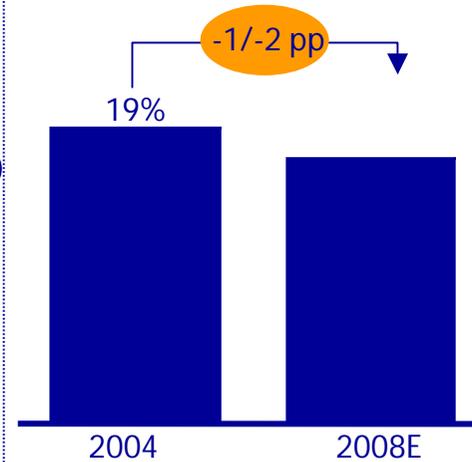
## Quality of service

Customer satisfaction  
(Indexed to 100)

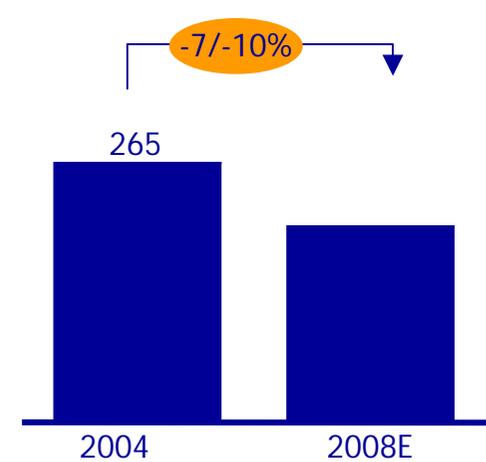


## Efficiency

Personnel cost\*/operating revenues  
(Percentage)



Operating cost/access\*\*  
(Euro)

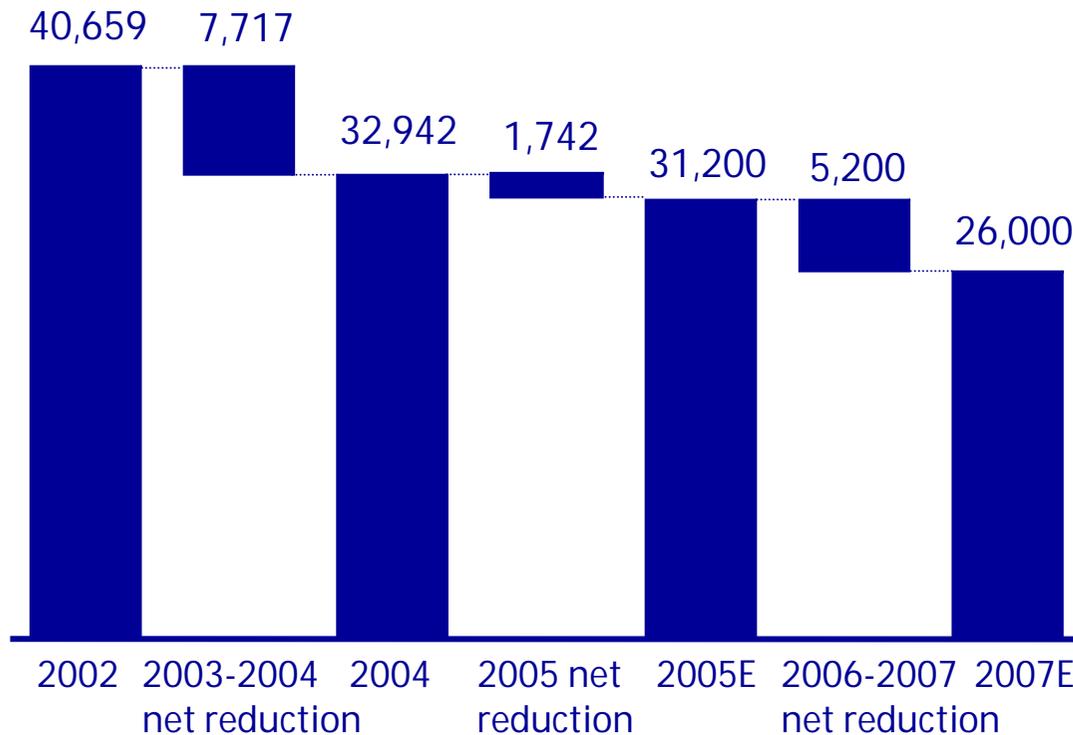


● Total variation

+

## 03 Our main efficiency effort is to continue our redundancy program without more outsourcing

Workforce reduction\*



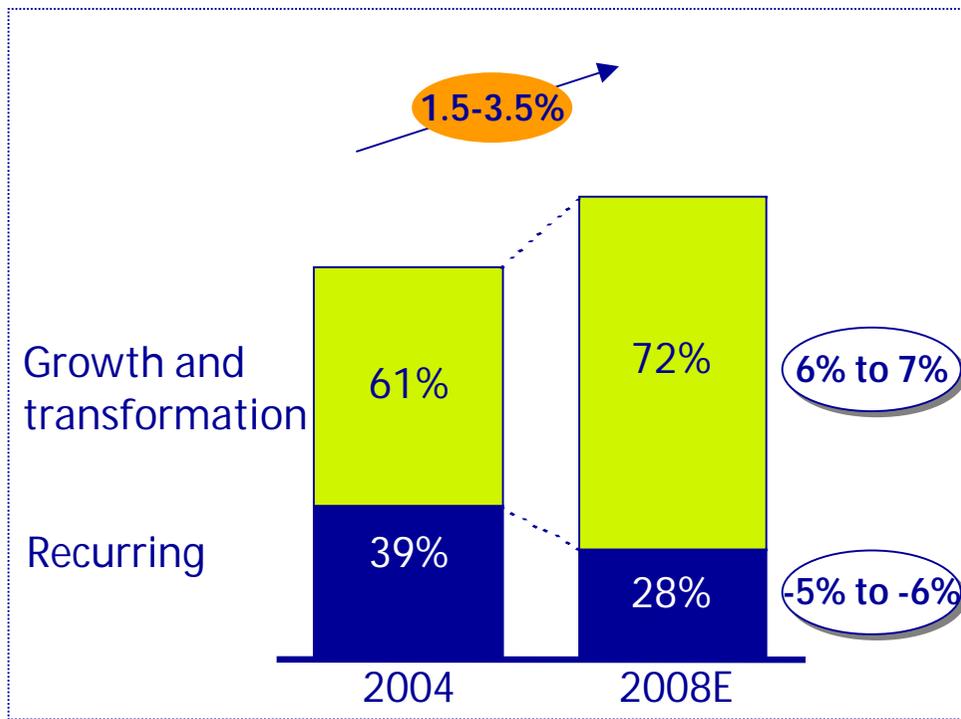
- 1,750\*\* people joined the program this year
- Estimated provision for payments in 2005 to pre-retirees of ~530 M€
- 65% of the redundancy program already achieved

\*Not including T-Data and T-Soluciones  
\*\* 1,700 Parent company and 50 other TdE Group companies

# 03 Additionally, we will maintain strong capex control, while accelerating the investment in growth areas ...

● CAGR

Capex mix



- Growth mainly due to
  - BB consolidation
  - Imagenio deployment
  - FTTx growth
  - NGN evolution
- Reduce traditional network investment

CAPEX over revenues

10.8%\*

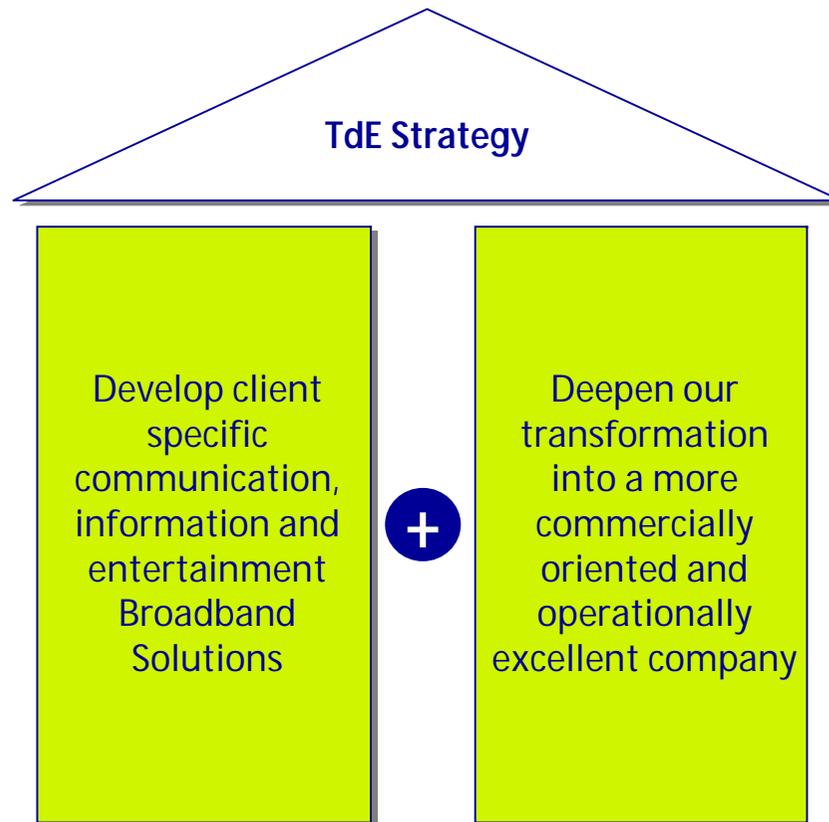
<12%

\*TdE Group Under IFRS

# 03 ... and developing an advanced infrastructure that will allow us to build the future around broadband

	From (2004) ...	... to (2008)
Access	<ul style="list-style-type: none"> <li>High capillary BB coverage in basic ADSL (512 K): ~95%</li> <li>Emerging IPTV service (6M): ~10%</li> <li>Wide FTTx coverage (10/100M): ~60%</li> </ul>	<ul style="list-style-type: none"> <li>Increase bandwidth, keep coverage</li> <li>Increase basic IPTV coverage to &gt;50%</li> <li>Launch premium IPTV</li> <li>Increase significantly the number of accesses with Ethernet technology</li> </ul>
Backbone	<ul style="list-style-type: none"> <li>Core IP network               <ul style="list-style-type: none"> <li>– Routing 73% of traffic</li> <li>– 99.999% availability</li> <li>– Backbone capacity up to 6 million DSL</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Freeze investments in ATM and continuously migrate to Ethernet MPLS</li> <li>Migrate progressively traffic to IP overlay network (94% in 2008)</li> </ul>
Service platforms	<ul style="list-style-type: none"> <li>Ready to support a wide range of services:               <ul style="list-style-type: none"> <li>– Videotelephony</li> <li>– VoIP</li> <li>– IPTV and VoD</li> <li>– VPN</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Integrate different service platforms into a one NGN based platform</li> <li>Leverage IMS capabilities of NGN platform to develop F2M convergent services with TME</li> </ul>

## 03 Our dual strategy will allow us to differentiate our market positioning in the current price centric competitive arena



- The best customer care process:
  - First call resolution
  - Commitments in time and quality of service provision
- The most innovative offer in the telco market:
  - Residential: 3Play with VoD
  - SMEs: Fully managed ICT solutions
  - Large clients: ICT outsourcing
- The most powerful telco marketing machine:
  - More sophisticated segmentation
  - Higher marketing expenditure
- The leanest and most efficient company:
  - Higher flexibility
  - New ways of working

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# 04 This strategy will allow us to achieve our main 2008 operating KPIs ...



# 04 ...with one ultimate objective: to continue delivering sound results

Telefónica de España Group, Million euros

	Reported 2004 under IFRS	CAGR 2004-08E *
Revenues	11,202.2	0.5-2.0%
Operating Income before D&A **	4,560.0	3-6%
Operating Income **	2,192.4	12-16%
CAPEX/Revenues	10.8%	<12%

\* All projections exclude changes in consolidation

\*\* In terms of guidance calculation, Operating Income before D&A and Operating Income exclude other exceptional revenues/expenses not foreseeable in 2005-2008. These exceptionals amounted to 68.8 MM€ in 2004 and are therefore also excluded, meaning a calculation base for guidance of 4,491.2 MM€ for OIBDA and 2,123.6 MM€ for OI, respectively. Personnel Restructuring and Real Estate Programs are included as operating revenues/expenses.



Telefonica

Investor  
Conference