



It's long been the strategic goal of utilities, telcos and public service industries to be more productive and effective in the field. Every additional minute a burst pipe remains damaged or a transmission line is down, businesses, customers and reputations suffer.

Making field workers in the utility industries truly productive and job responsive, mobile computing specialist Tadpole Technology has developed the unique Tadpole-Cartesia field information system.

A groundbreaking solution of Java hardware and software bringing the full advantages of corporate workflow to the mobile environment for the first time. An enterprise-class field information system, combining simple to use, specialised software with rugged hardware that puts critical corporate data or detailed GIS mapping information into the hands of field workers.



The ultimate field information system for dynamic works management and asset maintenance

TADPOLE CARTESIA

ne Cartesia spatially-enabled field information system comprises a family of innovative, platform-neutral, location-dependent productivity tools giving field teams on-line access to corporate databases via digital cellular or conventional telephones from designed-in-the-field hand-held computers.

emulating the way that field teams really work, the solution can include powerful interactive maps from enterprise GIS systems, network diagrams, asset information and schematics, which can be visualised and manipulated on or off-line on Cartesia's rugged, A4-sized, battery-powered pen computer.



Corporate Workflow Becomes Truly Mobile

The key to truly productive and effective field working is information workflow and the heart of the unique Cartesia field information solution is the Cartesia Enterprise Field Server (EFS) to coordinate and manage information workflow to and from the field.

As a cost-effective solution, the Cartesia-EFS interfaces with utilities existing back-office systems using intranet, JAVA, CORBA and ODBC/DBMS connectivity tools to assemble and feed customised, task-specific job files to field teams. The Cartesia-EFS works with a GIS program to extract detailed mapping information and simply makes it available where it's needed.

The Cartesia J-Slate diskless, rugged hand-held pen computer has been specifically designed for field workers. More cost-effective and reliable than other pen computers or conventional laptops, J-Slate provides field workers with timely, accurate and job-specific data and detailed maps to better understand and respond to planned and emergency tasks.

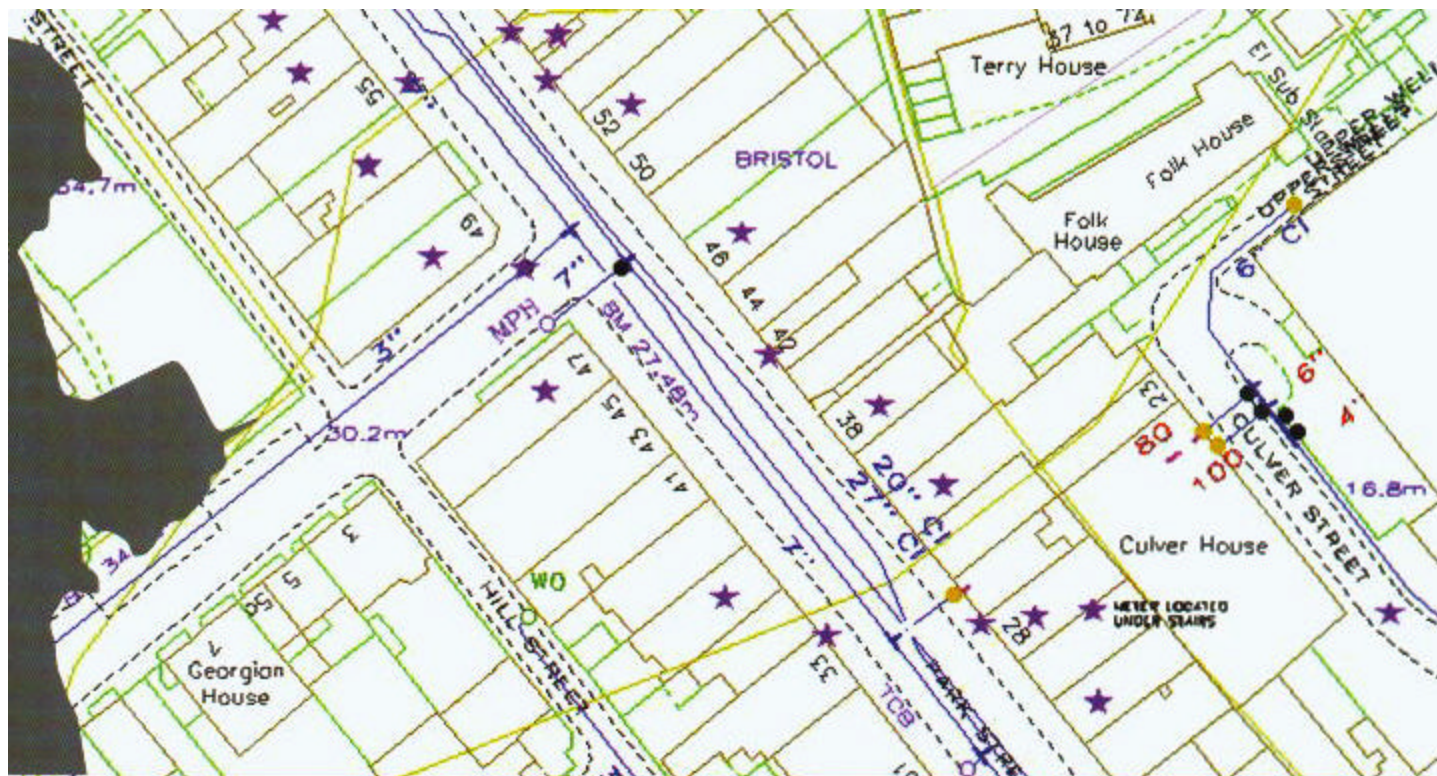
Featuring a 10.4-inch daylight viewable colour display and touchscreen technology, the battery-powered J-Slate computer is built around the high-performance StrongARM processor ... an architecture ideally suited to a pen computer running graphic intensive applications. J-Slate's power consumption is also a fraction of disk-based, energy-hungry solutions, and enables the system to run for a complete shift without access to a power source.

With a host of job-friendly features to capture or "redline" new information on assets such as pipes and cables, J-Slate has configuration options that include user accessible PCMCIA sockets, integrated cellular phone, radio and GPS as well as modem, and Ethernet connections. Keyboard and vehicle docking cradles are also available.

Work Flow

Once assembled by Cartesia-EFS, job files are made available locally to field workers on the J-Slate field computer to view and manipulate processed information. This includes full capability to interact with maps and forms-based text. Status messages can be used to track work-in-progress.

As each task is completed, job information can be uploaded from the pen-based computer to corporate headquarters where Cartesia-EFS returns it to the appropriate enterprise system. In the case of GIS, Cartesia provides a separate QA application allowing GIS controllers to audit the quality of the captured information before it is committed to the enterprise system.

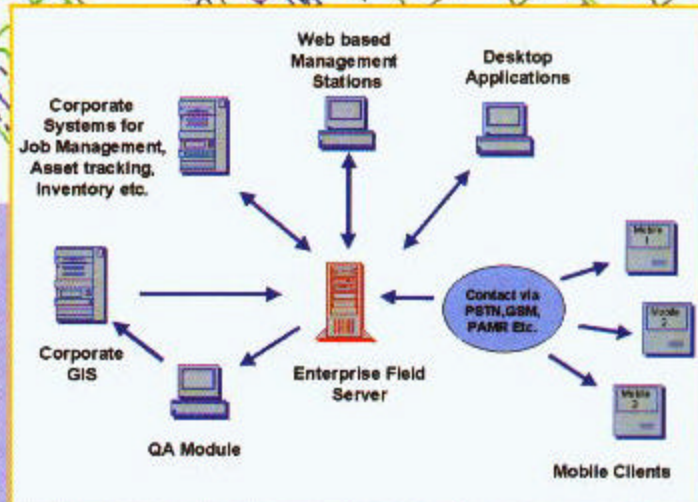


dispatcher client.DispatcherClientApplet

Job Id	Target Date	Status	User	Req. Code	Requirement
00000001	17 September	In Progress	jon	dfg	frome
00000003	21 September	In Progress	jon	gjh	central bristol
00000004	21 September	In Progress	jon	dfg	sion road
00000011	22 September	In Progress	jon	dfg	king street
00000008	22 September	In Progress	jon	dgh	welsh back
00000007	22 September	In Progress	jon	edf	cheddar
00000015	23 September	In Progress	jon	asd	clifton vale

Filters: Status: User:

thus, displaying 13 items



man Engineering, Systems expertise

Developing timely mobile computing solutions for specialist markets has long been tradition at Tadpole Technology. Notable achievements are many and include the development of the world's first UNIX notebook workstation and a portable UNIX server. Tadpole-Cartesia comprises a highly-qualified team in Java software development and applications and system management.

Module: Job

Done?	Start Date and Time	Job No.	Target End Date	Req. Code	Requirement Text
	15 September 1999 12:00	10155151	17 March 1997	MC2	Not Yet Implemented
	16 September 1999 12:00	10155295	05 March 1997	KHC	Not Yet Implemented
	16 September 1999 12:00	10200494	17 September 1999	941	Not Yet Implemented
	16 September 1999 12:00	10202710	26 August 1997	ST7	Not Yet Implemented
	17 September 1999 09:00	00000001	17 September 1999	dfg	frome
	21 September 1999 09:00	00000003	21 September 1999	gjh	central bristol
	21 September 1999 09:00	00000004	21 September 1999	dfg	sion road
	22 September 1999 09:00	00000007	22 September 1999	dgh	welsh back
	22 September 1999 09:00	00000008	22 September 1999	edf	cheddar
	22 September 1999 09:00	00000011	22 September 1999	dfg	king street
	22 September 1999 09:00	00000013	22 September 1999	gjh	queen square
	22 September 1999 12:00	10089900	20 March 1999	137M	Not Yet Implemented
	23 September 1999 09:00	00000015	23 September 1999	asd	clifton vale

Mark job complete

Job: Job Detail

Job ID: 00000011

Start Date and Time: 17 September 1999 09:00

Target Date: 22 September 1999

Status:

Requirement Code:

Requirement Text:

Assigned to:

Mobile/Field Device: 00000011.gpr

Change Job Device:

OK Cancel



Tadpole-Cartesia is a division of specialist computing innovator Tadpole Technology Plc. A world leader in specialist mobile computing solutions for professional markets, the group's global customer base reads like a Who's Who of Global Industry and Government Agencies.

Examples include: 3COM, Applied Signal, AT&T, Bay Networks, Bellcore, BMC, Boeing/McDonnell Douglas, British Telecom, Bristol Water Plc, Cisco, Computer Sciences Corporation, Dassault, EDS, Ericsson, Exxon, FBI, Ferranti Naval Systems, Ford, Fujitsu, Geoquest, GTE Government Systems, Hewlett-Packard, Harris Corporation, Lawrence Livermore Labs, Lawson Software, Lockheed, Loral, Lucent, MCI, Manweb, Mentor Graphics, Mitre Corporation, Motorola, NASA, Nokia, Nortel, Oracle, Platinum Technology, Powergen, Price Waterhouse Rational Software, Raytheon, SAIC, Schlumberger, SGS-Thomson, Siemens, Sprint, Sun Microsystems, Texaco, TRW, US Air Force, US Army, US Central Intelligence Agency, US National Security Agency, US Navy, Veritas, Westinghouse.

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for dynamic works management and
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**Tadpole-Cartesia
Waterloo House
Waterloo Street
Bristol
BS8 4BT
United Kingdom**

**Tel : +44 117 923 8853
Fax : +44 117 923 8834
Internet : www.tadpole.com**

