

BY EDITOR PETER HANNEBERG
T's no more than 10 minutes from Geneva Airport to the brown-glas high-rise hotel and office building that houses the world headquarters of cious corner suite with awards decorat ing walls and shelves, I encounter the company's top man. He is Pasquale Pistorio, president and chief executive officer of this semiconductor company "We won't be here for very long; explains while we enjoy the view, "It has taken so long because we have been doing our sustainable building by the book. This includes detailed analysis of the best ways to save energy and water handle waste, use recyclable construc tion materials, and make everything else sustainable!"

For more than 10 years, Pistorio has been known as a man of his sustainable word. Known, too, for his charm and charisma. As we settle into chair around a conference-sized table I am

## A Beautiful Coincidence

"It's great for ecology and great for the bottom line-so why should you not run any business sustainably?" asks Pasquale Pistorio, CEO of STMicroelectronics and winner of the 2001 Tomorrow Environmental Leadership Award.
already warming to him. It seems natural that such a friendly, empathetic soul would have a developed sense of the higher values of a sustainable society. It strikes me that Pistorio is typical of the modern, sensorial managerstraightforward, open, and eager to listen.
Which makes it even easier to underWhich makes it even easier to understand the progress he has achieved in his sustainability efforts, and the reasons for all the awards competing for space is the 1997 European Quality Award, and he proudly shows me a picture and taken at the Stockholm award ceremony, where he is flanked by Queen Silvia of Sweden and Volvo CEO Leif Johansson. The logo for this particular award adorns ST's business cards.
And it is obvious that he is happy and honored to receive the 2001 Tomorrow Environmental Leadership Award.
Much of what he has touched since 1987, the year he became CEO of what today is ST, has not only been transmuted into gold for the company en elevated to a new level of corporate sustainability, social responsibility and ethical performance. And
significantly-the former has frequent ly resulted from the latter.

When he invested more than $\$ 50$ million to replace 50 ozone-depletin air conditioners in ST's factories with energy-saving equivalents, he recouped within two and a half years, thanks to lower power use. In the course of chain of similar moves, Pistorio becam convinced that good begets good.
ical approach to whatever conerat
objectives we have. Through the years, have seen how environmental and social responsibility efforts have rendered revenue to the company. Measures that show responsibility and concern for the environment and people are the best financial investment and payback. I am convinced that the same goes for all sectors of industry. It's that simple."
Pistorio opines that ignorant or irresponsible companies-lacking understanding of the relationship between
the good and the bad-are anti-modern and have defaulted themselves from competition. And he is happy to tell them so.
But to aim your company toward sustainability you need dedicated suppliers as well. Changing the world sin-gle-handedly doesn't work. "Hundreds of companies supply the essentials that enable us to manufacture and thus conduct business," says Pistorio. "And I'm telling you, we push them. We educate follow EMAS [Eco-Management Audit Schemel and ISO 14001. And Ahey do, because they see there's profit they do, because
Pistorio returns again and again to his concept of profit following sustain-ability-targeted effort, and I love to hear him call this lucky combination "a beautiful coincidence." He gives it an almost spiritual ring. But he is no preacher repeating the ST environmental credo-"reduce, reuse, recycle." No, it sounds more like a rhyme, or a poem. And this lyrical passion is attracting and company.

So what sustainability challenges does a company such as ST face? "First challenges are huge.
First, the market for our kind of products has increased incredibly from Pisty existing in the early 7os, says Pistorio. "An increase in manufacturing
activity inevitably means higher use of energy, water and chemicals. It also means more waste and emissions of pollutants to air and water."
ST uses acids, solvents and other chemicals. It uses perfluorinated compounds (PFCs) with a global warming potential which ranges from 6,000 to 24,000 times the carbon dioxide $\left(\mathrm{CO}_{2}\right)$ equivalent. The company's chip-making operations are highly water-intensive.
Pistorio has been responsible for inspiring and introducing a wide-ranging environmental program, including the aggressive goal of making the company $\mathrm{CO}_{2}$-neutral by 2010. This is one of the decalogue was issued in 1995. Pisto rio's no-turning back stance on the environment had come in 1993
Since 1994 ST has reduced electricity use by 29 percent per unit of product value, water use by 45 percent and $\mathrm{CO}_{2}$ emissions by 29 percent. The company aims to cut emissions from 300 onnes in 1990 down to 60 tonnes by 2010, a reduction of more than 80 percent. And Pistorio has initiated treeplanting projects in Brazil and Morocco equivalent to a sink for the remaining issions.
In addition, ST will get more than 5 percent of its energy from renewable
sources by 2010 and the company's sources by 2010, and the company's being reduced by more than 10 percent per year. Paper use is also being cut back by 10 percent annually even though 90 percent of paper the company now purchases is recycled. And on it goes.
What lit the fire under him? What made him obsess over these issues? Pistorio chuckles when I put the question to him. "I have to credit my eldest son

## A Passionate Grandfather

## Name: Pasquale Pistorio

## Age: 65

Born: Enna, Italy, in 1936
Family: Married, three children, three grandchildren
Salesman for Motorola in Milan electronics, Polytechnic of Turin. 1967 Europe. 1977 Director of world marketing and vice president for Motorola based in Phoenix, Arizona. 1978 General manager of Motorola's International Semiconductor Division. 1980 Returned to Italy to become president and CEO of SGS Microelettronica, Italy's only microelectronics company. 198 Achieved integration of SGS and French Thomson Semiconducteurs, and became CEO of the resulting STMicroelectronics.
Issued ST's first environmental decalogue, with its "Ecological Ten Commandments." 1997 First corporate environmental report, and all 17 factories EMAS validated and ISO 14001 certified. 1999 ST had accomplished almost
all of its Ten Commandments, received US EPA's Climate Protection Award, all of its Ten Commandments, received US EPA's Climate Protection Award,
launched the second decalogue. 2000 Ranked corporate sustainability leader in the semiconductor industry.

Carmelo," he says. "In the late ' 80 s, when the green movement was gaining ground in the Western world, Carmelo really worked on convincing me. Even if it took years, I eventually ended up with an environmental consciousness." One of Carmelo's propaganda tools, stuck under his dad's nose, was Lester Brown's State of the World report, and orders 150 copies of the annual report every year to forward to his managers. With the arrival of his first grandchildren, his sense of personal responsibility led him to a more hands-on mindhis beloved grandchildren would inherit something other than the industrial polluting society that Pistorio himself polluting soc
represented.
"But the environment is only one of he areas where you have to take measures," Pistorio stresses. "You must also be dedicated to individual and corporate performance. For instance, we ry to be 'total in our pledge to quality." This is how ST's Total Quality Mangement (TQM) concept was born. Ityernally it is known as the "total quality lifestyle," driven by concern, sus-
ained effort and daily commitmen from managers and employees. Ecolog cal commitment is inseparable from for financial returns, and for its ability o attract responsible and motivated employees.
Five key quality principles have been essential to the company's success, says Pistorio:

- management commitment
- employee empowerment
- fact-based decision making
continuous improvement
- customer focus
"Our products must be highest quality and be ever-improving. Environment must be integrated everywhere into the quality system," says Pistorio. And for the umpteenth time during our conversation he comes back to people: "Never forget people. We have ore 42,000 people in 27 countres, ate and train them, help them develop kills and confidence, encourage their nnovative and creative minds, recog ize their achievements, center, reog the enterprise, make them and their

