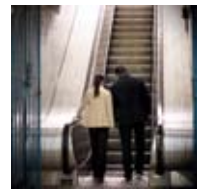


Nickel

Making Your Life Better

Ni



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INTRODUCTION

How can a metal make your life better?

Can one metal enable you to:

- Live a healthier life?
- Travel more safely?
- Communicate by phone while you are on the go?
- Use fossil fuels more efficiently?
- Create less waste?
- Live in clean, safe and aesthetically pleasing cities?
- And use the Earth's resource more wisely?

Well, when you consider that one metal – nickel – has such a wide range of unique properties that enable it, when combined with other metals, to create hundreds of alloys that are totally recyclable, you soon realize that one metal is already making your life better.

This brochure illustrates just a few of the common every-day things you probably take for granted. All of the examples illustrated here use nickel-containing materials. The Nickel Institute, which represents the interests of nickel producers worldwide, hope, that by bringing these to your attention that you will come to realize just how important nickel is to a modern, healthy, more sustainable lifestyle.





Ni
AESTHETIC

Walk down the street of any major modern city in the world and chances are you will be surrounded by nickel-containing stainless steel. That's because these materials are corrosion resistant, easily formed, aesthetically pleasing and typically contain 60% recycled material. That makes your urban environment cleaner, safer and more aesthetically pleasing.

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CRASH-RESISTANT

When you travel on a train, chances are you don't think twice about what the train is made of. Today's trains are often constructed of nickel-containing stainless steel. That's because these materials provide the necessary strength to resist impacts that would result in the unlikely event of an accident. That makes traveling by train a whole lot safer.

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HYGIENIC

The next time you serve yourself or your kids a glass of milk, consider how pure and safe it is to drink. That's because nickel-containing stainless steels are used in all of the processing and transportation equipment that's needed to bring milk from the dairy cow to your milk carton. That enables you to live a healthier life. Nickel-containing stainless steels are the material of choice for a wide range of food processing industries because it is hygienic and results in less spoilage of food.





Ni
RECHARGEABLE

The next time you use your mobile phone, think about the rechargeable battery that's inside. Chances are, it's a nickel-containing lithium ion battery. That makes communicating while you are on the go possible and the battery is totally recyclable. That creates less waste and uses the Earth's resources more wisely.

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FORMABLE

The detailing inside of modern, urban buildings, such as this elevator, is commonly made of nickel-containing stainless steel. That's because these materials are durable, aesthetically pleasing, contain 60% recycled material and are totally recyclable at the end of the products life. That creates less waste, fewer greenhouse gases and uses the Earth's resources more wisely.





Ni

CLEANABLE

The next time you cook a meal, reflect on the smooth, bright finish of your pots and pans and maybe even the metal surfaces of your refrigerator and stove. These household appliances and kitchen accessories are made of nickel-containing stainless steel for good reasons. These materials are easily cleaned and sanitized and can last for generations. That helps you to live a healthier life.

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DURABLE

Escalators are a common convenience in all modern cities. They are so common that we take them for granted. But, did you know that they are made of nickel-containing stainless steels? That's because they are durable, corrosion resistant, aesthetically pleasing and totally recyclable. That makes your life better.





Ni
CORROSION-
RESISTANT

Ah. Taking a dip in swimming pool on a hot day. What could be better? Well, chances are the water needed for such a luxury came from a water treatment plant constructed of nickel-containing stainless steels. That's because these materials are durable and maintenance-free, enabling uninterrupted water service. Also, because they resist corrosion, nickel-containing stainless steel water pipes conserve water resources because they have fewer leaks. That makes your life better and uses the Earth's water resources more wisely.

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EFFICIENT

Globally, transportation accounts for about 20 percent of greenhouse gas emissions. That's why automotive engineers are making hybrid gasoline/electric cars and making diesel cars more efficient and less polluting. These vehicles need nickel-containing alloys for many essential components such as their rechargeable batteries, their valves, spark plugs, gas tanks and particulate filters. Thanks to nickel, that makes burning fossil fuels more efficient and uses the Earth's resources more wisely.





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