

IN THE BEGINNING...

HAILING FROM THE PLANET
FLUXTROL, **FLUXTROL MAN** CAME
TO EARTH IN 1981 TO HELP ALL OF
HUMANKIND FIND A BETTER WAY TO
ADAPT, INNOVATE AND GROW INTO
THE 21ST CENTURY.



WITH HIS **ELECTRO-MAGNETIC INDUCTION**
POWERS AND SOFT MAGNETIC COMPOSITE
(SMC) MATERIALS, **FLUXTROL MAN** BATTLES
THE FORCES OF EVIL ACROSS THE GLOBE,
ENCOURAGING INNOVATION AND SAFETY
WHEREVER HE GOES!



FLUXTROL MAN

IN...

Episode 2:

APPLICATIONS - APPLYING FLUXTROL SMC MATERIALS



GLOBAL
AUTOMOTIVE

AN INDUCTION COIL WITHOUT FLUXTROL
SMC MATERIAL IS BEING USED
FOR INDUCTION HARDENING OF A
CRANKSHAFT IN A PRODUCTION LINE.

HEEE
HEE HEEEEE!

HAHAH!
WE LOVE THESE
INEFFICIENT
SYSTEMS!

WATER BEGINS TO LEAK FROM
THE COIL, AND A SENSOR IN THE
INDUCTION POWER SUPPLY SHUTS
OFF THE ENTIRE SYSTEM!

I JUST DON'T **GET** IT! I'M RUNNING MY SYSTEM AT 100% - EVERYTHING IS WORKING WELL, BUT AFTER 1000 PARTS MY COIL STARTS TO **LEAK**, AND I CAN NEVER REPAIR MY COILS FAST ENOUGH TO KEEP UP WITH **PRODUCTION**.

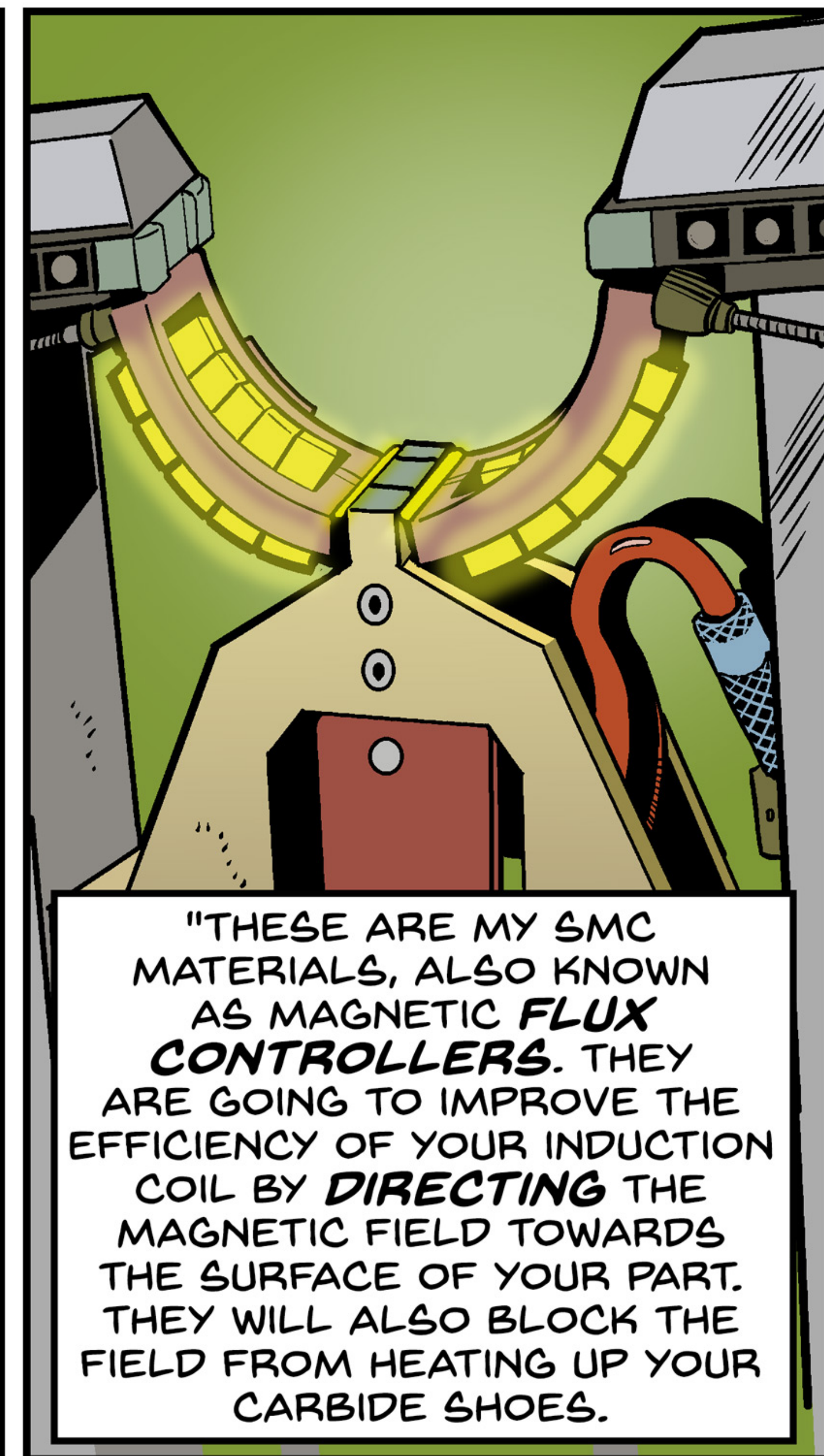
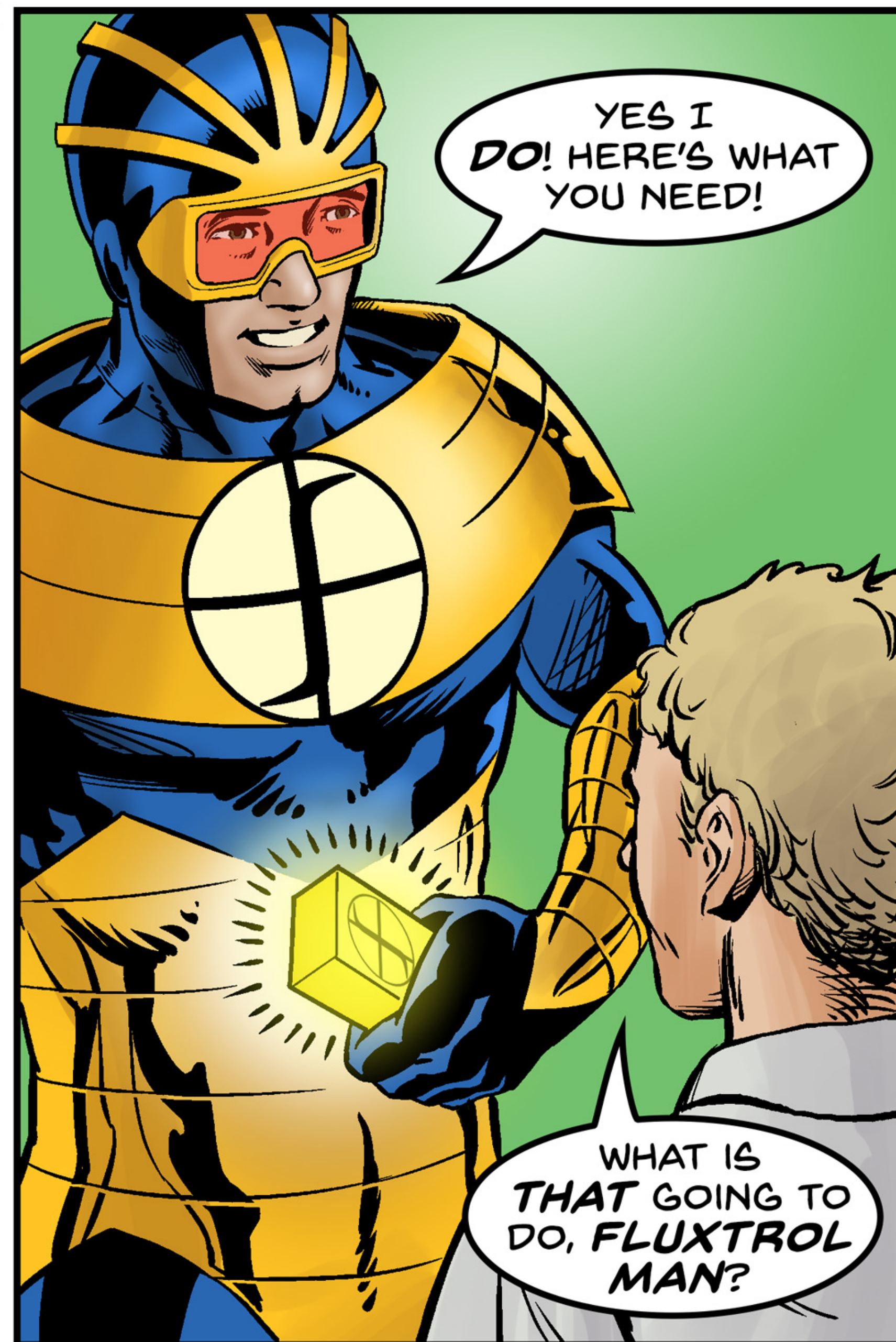


IF ONLY I COULD GET RID OF THOSE PESKY **GREMLINS** THAT ARE DESTROYING MY **COILS**. THEY'RE GOING TO RUN US OUT OF BUSINESS!

HEY, I HEARD YOUR CALL. WHAT SEEMS TO BE THE PROBLEM?

IT'S THOSE DARN HEAT GREMLINS! THEY'RE **RUINING** US! I CAN'T KEEP MY LINE RUNNING!







THAT'S **AMAZING**,
FLUXTROL MAN! BUT
HOW IS THIS GOING TO STOP
THOSE RED GREMLINS
FROM DESTROYING
MY COIL?



= **FLUXTROL MATERIALS**

WHEN THE CARBIDE
SHOES ARE HOT, THEY WEAR OUT
QUICKLY. THE CARBIDE SHOES ARE WHAT
PROTECT YOUR COIL FROM CONTACT WITH THE
PART, WHICH IS THE SOURCE OF THE GREMLINS.
THIS OPTIMIZED COIL WILL NOW HAVE A MUCH
LONGER LIFE, REDUCING YOUR
OVERALL ENERGY CONSUMPTION
AND DOWNTIME!

THE PRODUCTION MANAGER TURNS ON HIS **MACHINE**. PART AFTER PART HEATS UP AND REACHES ITS **OPTIMAL TEMPERATURE**.

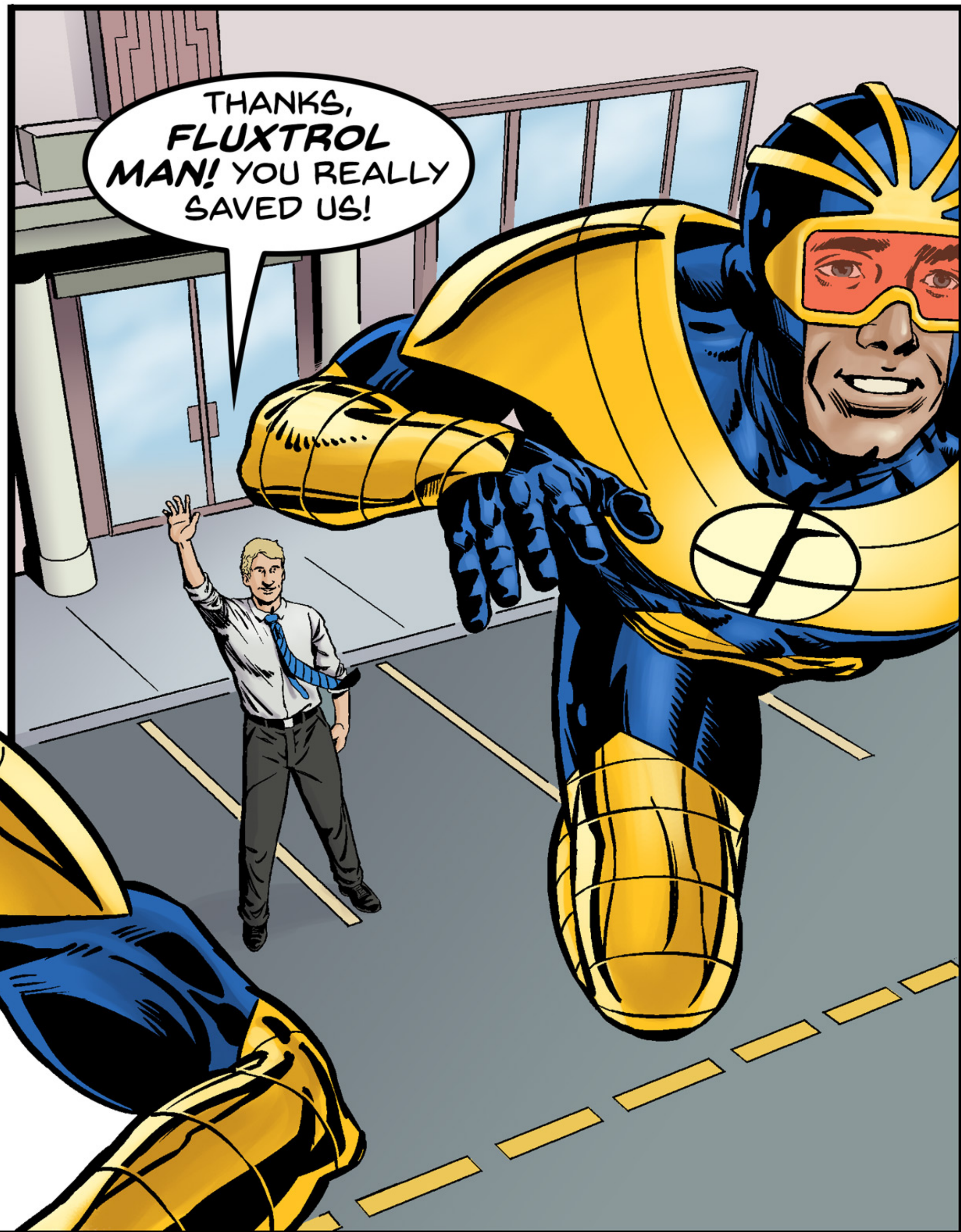
THE SHOES STAY COLD AND THE GREMLINS FLEE!

CURSE THOSE FLUXTROL **SMC** MATERIALS! LET'S GET **OUT** OF HERE!

TO LEARN **MORE**
ABOUT APPLICATIONS
FOR **FLUXTROL** MATERIALS,
YOU CAN REFER TO THE APPLICATION
GUIDELINES. JUST CLICK ON TECHNOLOGY
IN THE **FLUXTROL.COM** MENU, OR
CONTACT A **FLUXTROL** REPRESENTATIVE
USING **FLUXTROL.COM/CONTACT**.
THERE IS ALWAYS SOMEONE
THERE TO **HELP**.



THANKS,
FLUXTROL
MAN! YOU REALLY
SAVED US!





Helpful Links:

[Soft Magnetic Composites](#)

[Fluxtrol Magnetic Materials](#)

[Magnetic Flux Control in Induction Heating](#)

[Magnetic Flux Controllers in Induction Heating and Melting](#)

[Contact Us](#)

Related FAQs:

[What is the best way to attach Fluxtrol to the coil?](#)

[What fasteners are recommended for mechanical attachment of Fluxtrol?](#)