

THE COMPLETE ARC FLASH SAFETY PROGRAM

Beyond assessment. Toward prevention.

We don't hand you a report. We put labels on your panels, qualified people on your floor, AI watching PPE every shift, and we stand with you in every audit.

ASSESS

LABEL

TRAIN

ENFORCE

RENEW

VB ARC360°

THE STAKES

It is already inside **your** switchboard.

In a fraction of a second an arc flash releases heat several times hotter than the surface of the sun, a pressure wave and a sound blast. Arc-rated PPE cannot be defensibly selected without an incident energy study.

35,000°F

ARC TEMPERATURE

140dB

SOUND BLAST

<0.2s

EVENT DURATION

"Every engagement begins with verified data and ends the way the standard intends, with proof."

Dr. Maruthi Kasyap GNV
Founder & CEO · VB Group



FIVE STAGES · 360° OF PROTECTION

A program, **not a report.**



Assess. Short-circuit (IEC 60909) and incident energy (IEEE 1584) in cal/cm².

Label. NFPA 70E labels engineered, printed and applied at site; boundaries marked.

Train. TeXeT QP portal, VR module and the Arc Flash Safety 3D Animated Training Video.

Enforce. VijAI verifies arc-rated PPE at the panel, every shift.

Renew. Re-study on change or every five years. Compliance kept alive.

ON YOUR PANELS, ON YOUR FLOOR · WE DON'T STOP AT SOFT COPIES

**NFPA 70E labels, applied at site**

Engineered to the study · English, Hindi, Arabic, site languages

**Boundaries marked on your floor**

Approach boundaries where the work happens

WHAT WE PUT IN WRITING

15-day draft SLA

·

12-month warranty

·

30-day free label re-issue

·

Audit support

WHY VB ARC360 IS THE DEFENSIBLE CHOICE

A study is not **compliance**.

A defensible arc flash program must do all six. Most providers do two or three, then disclaim the rest. VB Arc360 does all six, under one accountable roof.

- 1 Incident energy in cal/cm² to IEEE 1584, not PPE-category shortcuts**
- 2 As-built data verified at source, photographic, not assumed**
- 3 Labels engineered and applied on every panel, in your workers' languages**
- 4 Qualified Persons trained & certified to NFPA 70E 110.6**
- 5 Arc-rated PPE to IEC 61482 from calculated energy**
- 6 Re-study on change or every 5 years, compliance kept alive**

A typical study shop

Hands you a report

Disclaims your as-built data as a risk

Stops at soft copies

One study, then gone

VB Arc360°

Solves the data problem at source

Applies labels, certifies your people

AI verifies PPE every shift

Renews your compliance, year after year

The reason most brownfield studies fail is bad as-built data.

Competitors disclaim it as your risk. We solve it at source with photographic, client-verified field data approved before any calculation. That single discipline is what makes a VB study hold up in an audit.

INCLUDED WITH EVERY ENGAGEMENT

Intelligence, **built in.**

Most firms sell these as extras. With VB Arc360° they are included, a full training and assurance stack that is normally a recurring obligation, built into your program from day one.



VR · IN SESSION

Your Qualified Persons train inside the hazard, risk-free.

INCLUDED

VR Immersive Training + Device

Perpetual license and VR device with a pre-loaded arc flash module. Realistic, experiential, memorable.

PERPETUAL LICENSE

DEVICE INCLUDED

INCLUDED

Arc Flash Safety 3D Animated Training Video

A 3-minute 3D animated video, customized with your branding. Ready for every induction and toolbox talk.

YOUR BRANDING

3 MIN

MULTILINGUAL

INCLUDED

TeXeT QP Certification Portal · 3 years

NFPA 70E aligned QP training, online assessments and certificate issuance. Records an auditor can trust.

UNLIMITED TRAINEES

AUTO CERTIFICATES

AND IT DOES NOT STOP AT SAFETY

Your study is the door to a digital plant.

One engineering partner carries you from the arc flash study to protective device coordination, a digital twin of your network, and predictive maintenance, across VB META and VB Digital. No specialist or EPC matches this path under one roof.

Arc flash study



Coordination



VR & training



Digital twin



Predictive maintenance

VIJAI · AI PPE MONITORING

Prescribing PPE is half the duty. Verifying it is worn completes it.

PPEAI, the AI vision platform from VB Group's VijAI suite, connects to your existing CCTV and verifies arc-rated PPE compliance in real time, in the electrical rooms your study flagged. It watches every shift, alerts supervisors instantly, and logs an audit trail.

93%REDUCTION IN PPE
NON-COMPLIANCE & RISK**80%**FEWER RECURRING
PPE VIOLATIONS**24/7**

CONTINUOUS MONITORING · INSTANT ALERTS TO SUPERVISORS

ON-PREMISE

CLOUD

USES EXISTING CCTV



Your study defines the requirement. Your labels display it. Your portal certifies the people. VijAI proves it is worn.

The full closed loop of arc flash compliance, all under one accountable engineering partner.

BUILT FOR YOUR EHS TEAM

An audit-ready compliance trail, from raw field data to the label on the panel
Documented Qualified Person training and certification records, NFPA 70E 110.6
Real-time PPE assurance at the panel, with instant alerts and logged evidence

Re-study and renewal handled, so your compliance never lapses
Fewer incidents, lower liability exposure, a defensible safety case
One accountable engineering partner, not five vendors to chase



STANDARDS THAT DECIDE LIABILITY

Built to the codes **auditors check.**

NFPA 70E · 2027**THE DUTY**

Assessment, labeling, PPE and Qualified Person training as an employer responsibility.

IEEE 1584 · 2018**THE METHOD**

Incident energy in cal/cm². We run this, not category-table shortcuts.

IEC 60909**THE FAULT LEVELS**

Short-circuit calculation: fault currents and equipment duty.

IEC 61482**THE PROTECTION**

Arc-rated protective clothing (ATPV), matched to the calculated energy.

Labels engineered to the study and applied at site, in English, Hindi, Arabic and site languages.

1,000+

POWER STUDIES

12+

YEARS

21+

COUNTRIES

50+

FORTUNE 500

Credentials. ISO 9001 · ISO 45001 · Licensed ETAP · SKM · AutoCAD · Performance certificates available on request.

Bayer · Pfizer · TATA · Adani · JSW · Nestlé · ISRO · Mahindra · Siemens · Bosch · DuPont · Aditya Birla · Hindalco · Amazon · Indian Oil · ITC · Asian Paints · Dr. Reddy's · Kia · Bureau Veritas · Lloyd's Register · Halliburton · Jindal Steel · AMNS · Rolls-Royce

Will everyone go home safe today?

Talk to our arc flash team about a VB Arc360° assessment for your plant.

GET IN TOUCH

connect@groupvb.com**groupvb.com**

thevijai.com · vbengg.com