

Advanced Metering

Powerlogic Toolsuite-ION Setup Plugin

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PLT-ION Setup



Introduction

Voice of Customers

What's New

Future Focus

Introduction

Few months before, we heard:

“After 30 years, ION Setup is getting a full refresh. Seriously?”

Yes, it is true!

Introducing **PowerLogic Toolsuite ION Setup**

What is new?

- **Simpler,**
- **Modern and**
- **More interactive.**

What remains?

- **Power of ION!**

PLT-ION Setup



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Feedback

“I want to do config changes and upgrade firmware of all my devices at once”

“ION setup does not reflect how good your offers really are”

“It takes average of 1-2 years to become an ION Savvy and years to be an expert”

“I want to know what happens to a meter while working on it”

“Some of the settings are buried in odd places”

“Sometimes I get confused between the batch changes and real time changes”

“I would love to take more advantage of the ION Programmability”

“It would be good to configure meter settings offline and deploy them later”

Voice of Customers

You ask and we answer

Ask

- **Changing workforce**
 - Too technical
 - Loaded with info texts
 - Hidden settings
- **Detailed workflows**
 - Series of steps for few features
 - Interdependent configurations

Our Solutions

- Simple UI with organized setup
- Tool tips to guide user in their config journey
- Data visualization

- Removing redundant settings and putting the interdependent under single buckets
- Getting rid of different user modes
- Graphical configuration

Voice of Customers

You ask and we answer

Ask

- **Online device barrier**
 - We are living in a new reality
 - Need to replicate

- **Nature of ION Setup workflows**
 - Device Settings Ambiguity
 - Disconnect with the live environment
 - Pre-defined use case

Our Solutions

- Ability to work offline
- Create device copies

- Ability to see and push all changes together
- Real time reference
- Removing predefined use cases
- Adaptive UI

PLT-ION Setup



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PowerLogic Toolsuite (PLT)-ION Setup

PLT is a **single point configuration software** tool providing versatile functionalities required throughout the life cycle of EcoStruxure Power connected products.

- **Protection Relays**
- **Gateways**
- **Advanced Meters**
- **Gateways and so on..**

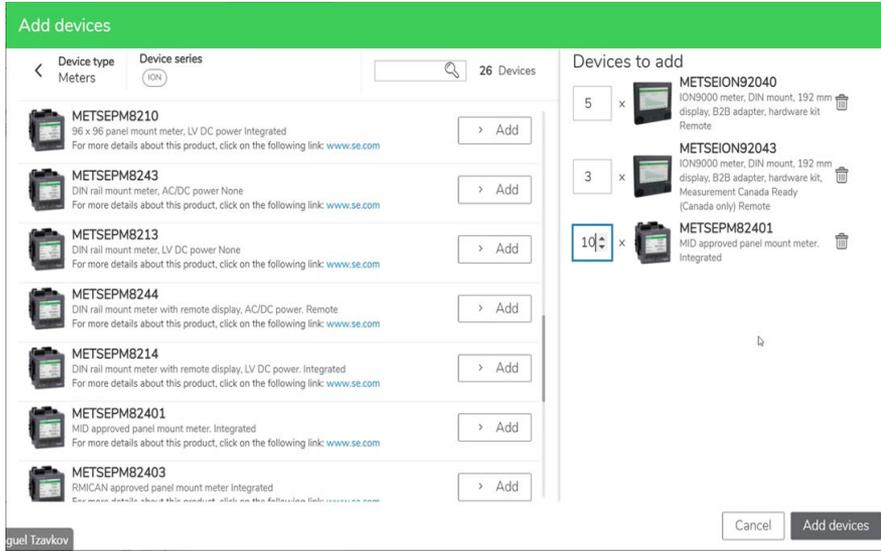
We are building a **next generation ION Setup** focusing on the current market needs

Key points to note:

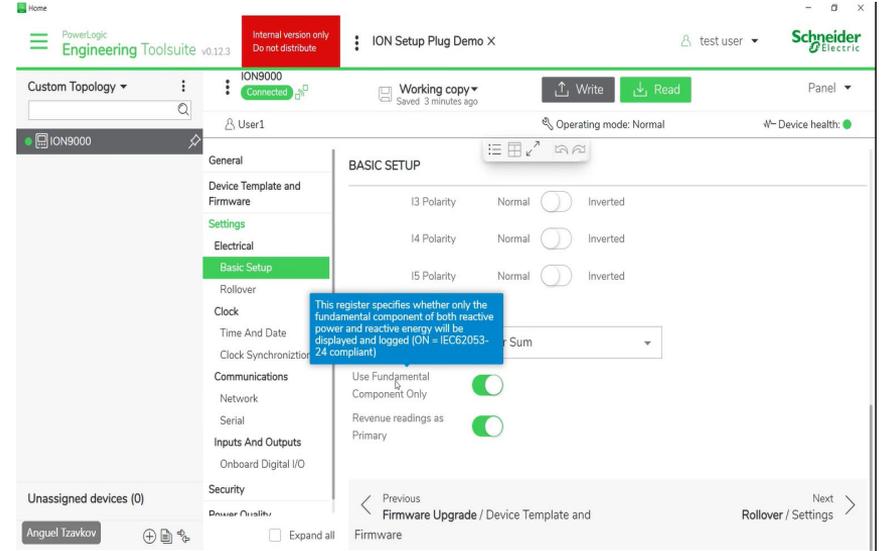
- Supported Device Types:
ION9000, PM8000, and ION7400
- Connection topology:
Ethernet TCP/IP and Off-line Device
- We are one of **the plug-ins!**
- The first release is expected to out in the **second half of 2023.**

What's New

Offline devices and UI improvements



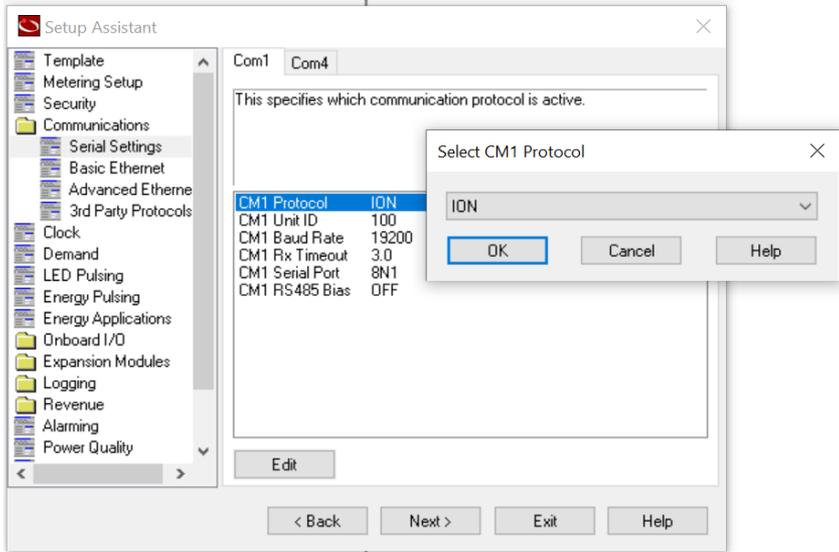
Offline Device Catalog: Offers option to add multiple offline devices at the same time. Configure device without connecting.



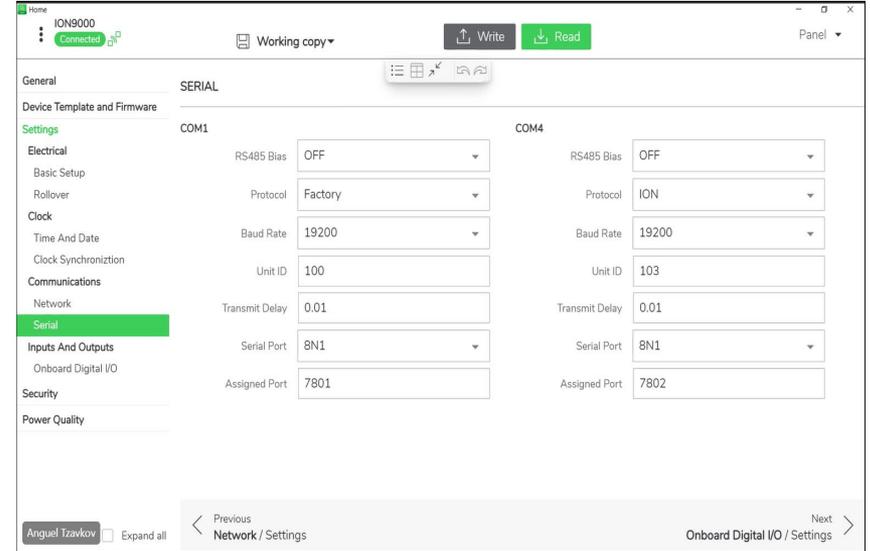
Tool tips: Guiding user in their configuration journey

What's New

Batch settings and expanded view



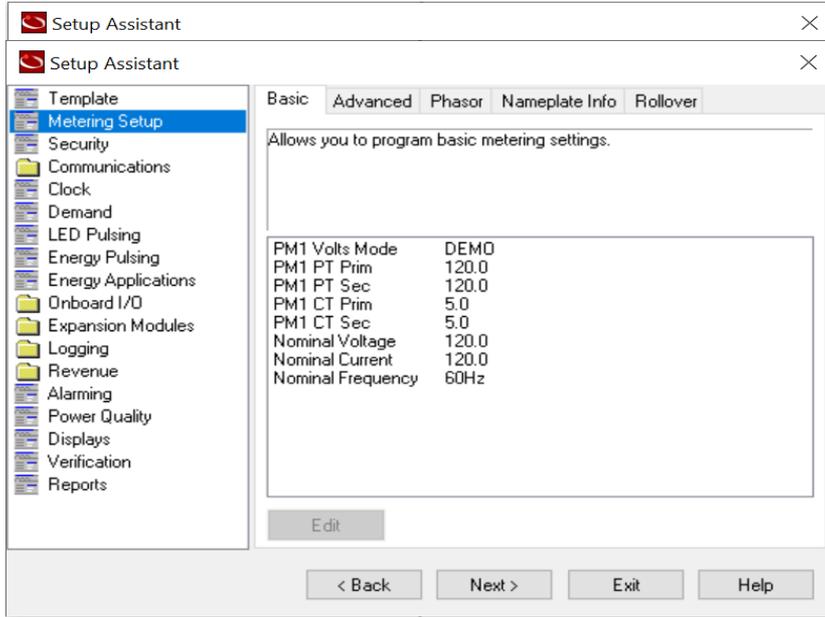
Settings change in current ION Setup: Instant changes to the devices in some and send actions in others. Disconnect with other dependent settings.



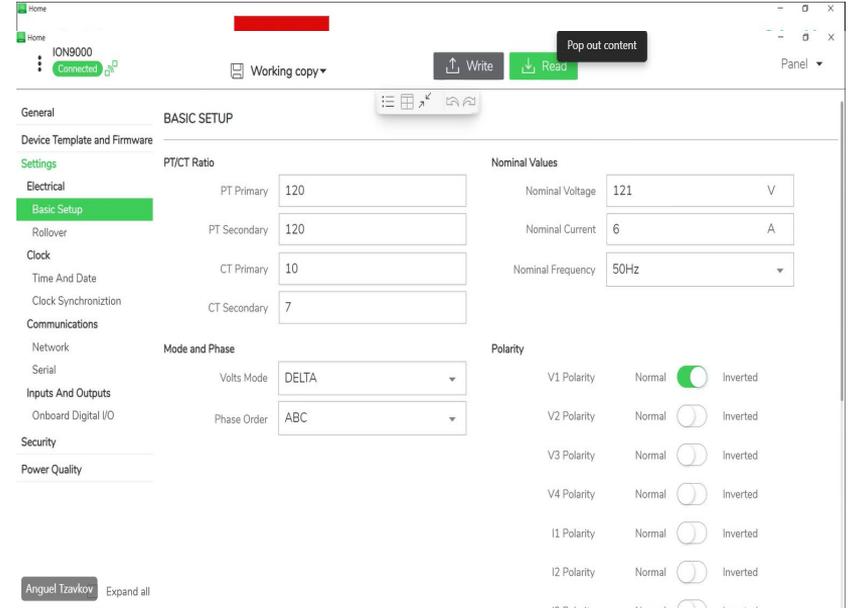
New Ion Batch settings: Ability to make changes to the device in batch. Dependent settings in a single view

What's New

Jargons and settings view



Jargons in the UI: Terminologies specific to ION with an old school UI



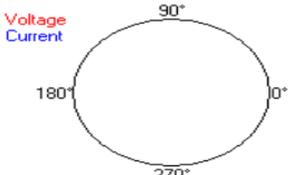
Simple: No jargons with easy-to-understand workflow and call to action

What's New

Real time reference and customizability

Phasor Viewer

Combined Side by Side



Power Readings

kW Total	1.434
kvar Total	0.603
kVA Total	1.556
PF Total	92.140 LAG
Frequency (Hz)	60.0
Firmware	003.000.000

Voltage Readings

V1 Magnitude	Not Available
V1 Angle°	Not Available
V2 Magnitude	Not Available
V2 Angle°	Not Available
V3 Magnitude	Not Available
V3 Angle°	Not Available

Current Readings

I1 Magnitude	Not Available
I1 Angle°	Not Available
I2 Magnitude	Not Available
I2 Angle°	Not Available
I3 Magnitude	Not Available
I3 Angle°	Not Available

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Show Setup Close Save As... Print Help

Disconnect with live: User opens a separate tab to see real-time values and phasor and complicated customization

Phasors



Signal	Magnitude	Angle	Freq.Gap	Actions
V1	Value (V)	Value (°)	Value (%)	👁
V2	Value (V)	Value (°)	Value (%)	👁
V3	Value (V)	Value (°)	Value (%)	👁
I1	Value (V)	Value (°)	Value (%)	👁
I2	Value (V)	Value (°)	Value (%)	👁
I3	Value (V)	Value (°)	Value (%)	👁

Real time reference: Refer the live readings while making config changes and customizable UI

What's New

Settings in single bucket

The Setup Assistant window displays the 'Alarming' settings for Sag/Swell. The 'Sag/Swell' tab is selected, showing a table of alarm settings. A note indicates that an asterisk (*) in the priority column indicates the Voltage is in the learning state.

Label	Swell Limit	Sag Limit	Hysteresis	Priority
Voltage	110%	90%	2%	Disabled
Current Swell	155%	N/A	10%	Disabled
Current Sag	N/A	45%	10%	Disabled

Buttons: Edit, Learn, < Back, Next >, Exit, Help

Power Quality: Threshold, event and waveform capture in different places

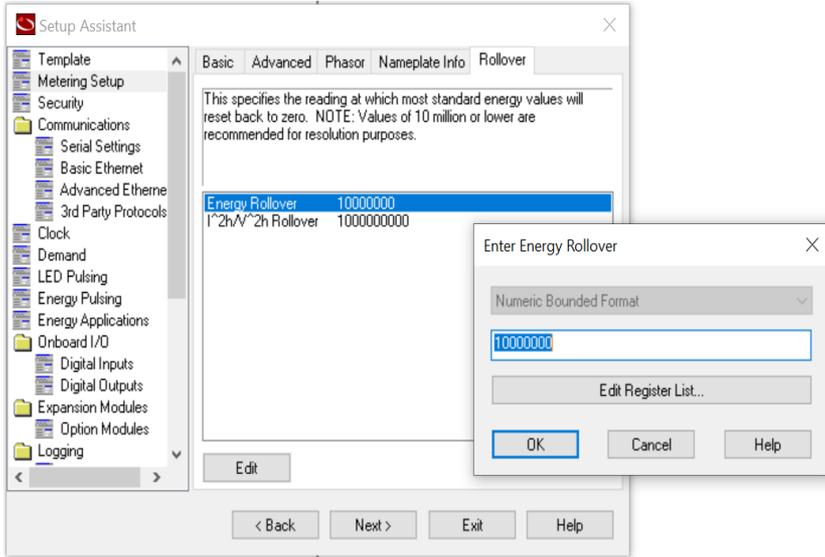
The configuration tool shows the 'SAG/SWELL' settings in a single bucket. The 'Voltage Sag/Swell' section is expanded, showing a 'Sag/Swell Enable' toggle and several input fields for Nominal Voltage, Swell Limit (%), Sag Limit (%), and Hysteresis (%).

Buttons: Write, Read, Expand all, Previous, Next

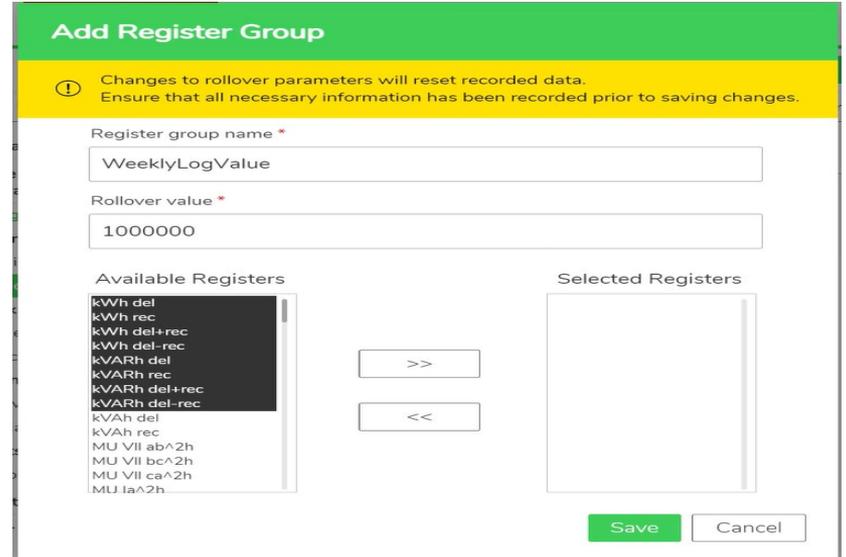
Power Quality: Entire PQ journey in one view

What's New

Customized uses cases



Predefined use case: Defined bucket for Rollover settings



Custom use cases: Define your own bucket with required settings in it

What's New

Simpler workflow

The image displays two screenshots of the Schneider Electric ION9000 configuration interface, illustrating a simpler workflow for setting meter security parameters.

Left Screenshot: Shows the 'METER SECURITY' configuration page. The 'Login attempts' table is visible, showing the number of login attempts for different protocols.

Protocol	Lockout Timeout	Session
ION	4	31
Web	10	N/A
Factory	9	N/A
Front Panel	8	N/A

Right Screenshot: Shows the same configuration page, but with the 'Event Timeouts' table visible. A tooltip is shown over the 'Event Timeouts' table, indicating the number of invalid login attempts and the access event priority.

Event Timeout
30 minutes
N/A
N/A
N/A
N/A

The 'Event priority settings' section is also visible, showing the 'Login Priority' set to 'None', 'Invalid Login Priority' set to 'Medium' (128 - 191), and 'Lockout Priority' set to 'High' (192 - 255).

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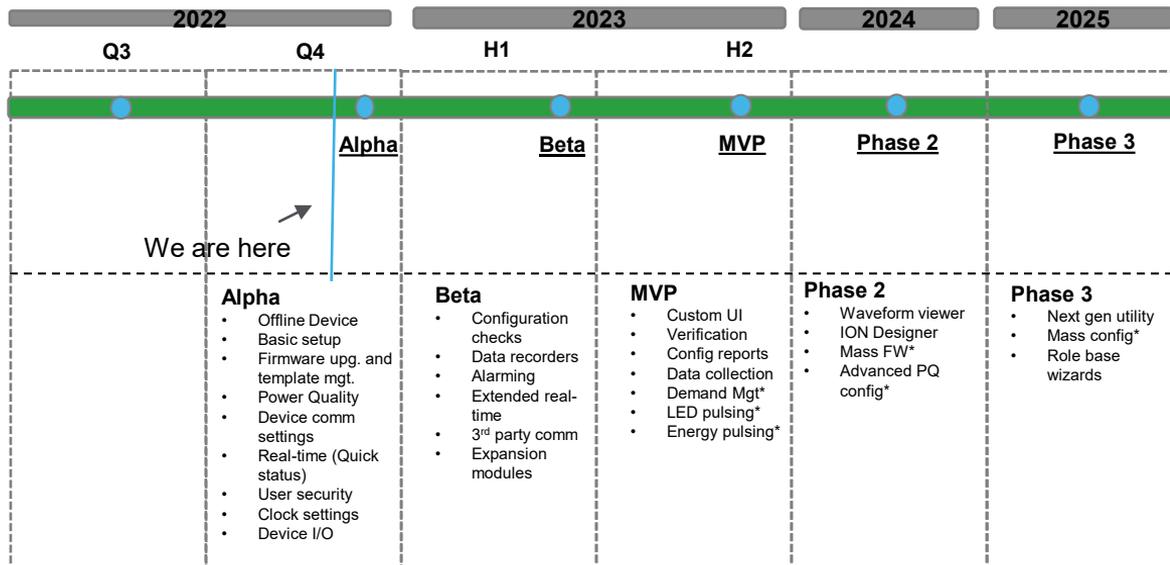
What's New

Future Focus

Future Focus

Roadmap overview

 ION Setup Plug-in



Milestones:

- **Alpha:** First internal field trial with limited feature. Intent is to validate the Offline-Online workflows with basic configuration journeys
- **Beta:** Second field trial on comparatively bigger scale with added features including some end user feedback
- **MVP: First global release to test the market fit**
- **Phase 2:** ION setup refresh with ION designer and fleet management feature
- **Phase 3:** Supporting the next gen utility offer with added fleet management functionalities.

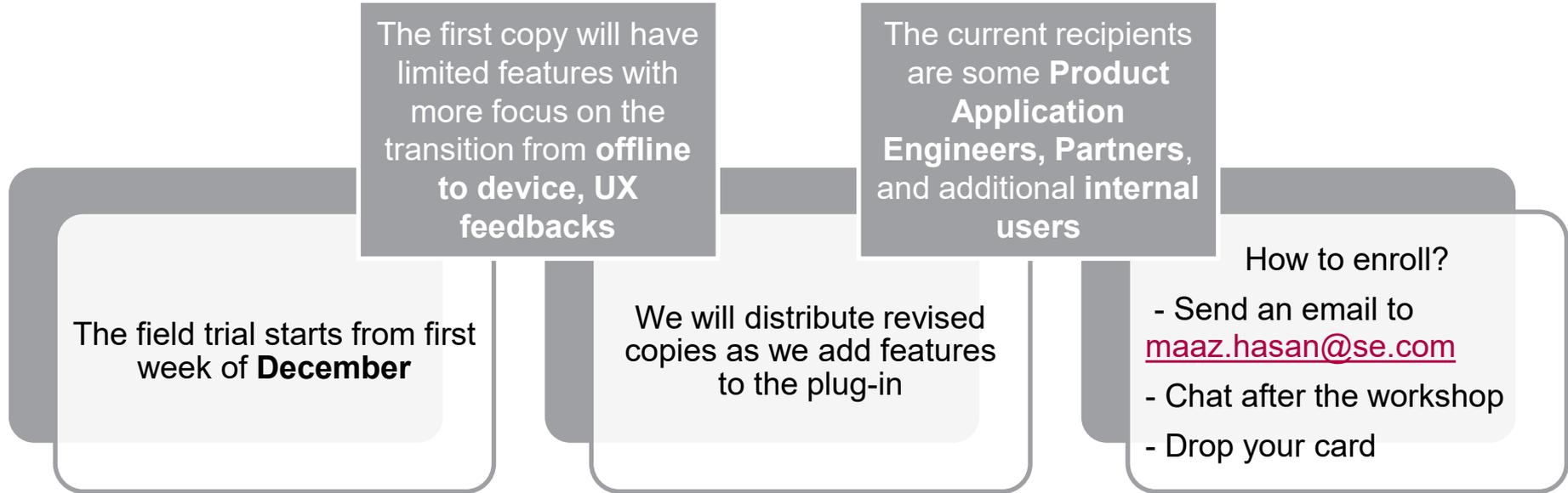
- * Some features are subjected to relocation depending on the Alpha and Beta feedback
- * Some of the fleet management, designer, and Advanced PQ feature may be monetized

Life Is On

Schneider
Electric

Future Focus

Field trials



Life Is On

Schneider
Electric