

PRESS RELEASE

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For immediate Release

**Next Generation Projected Capacitive Touch Technology now Developed
Ottawa, Canada**

Ottawa - A D Metro has released the next generation of Projected Capacitive technology. A D Metro's research and development engineers are pleased to present the newly developed ARGON PCAP controller technology which is a spin-off of their Multiplexed Projected Capacitive (MPC) technology. This controller does not need any tuning software to set its parameters making it easy to setup in the anywhere anytime. It also does not require dedicated hardware



drivers making it compatible with any operating system that can operate with a mouse. It simplifies inventory for customers wishing to implement PCAP in their product offering but to only need one controller that can handle all their sensor size requirements. This is especially useful for field servicing as the customer

no longer needs to keep matching controller configurations or track firmware loads to ensure the right controller is brought to location in the event of field servicing. It's actually easier to use than resistive technology. The technology has no downside over conventional Projected Capacitive technology but there are numerous benefits:

- Uses standard PCAP sensor sizes from 7" to 24" (current configuration)
- Automatically senses the channels and therefore the size of the sensor
- Sets the orientation with no programming required
- Sets the sensitivity with no programming required
- Sets the required number of touches required with no programming required (from 1 to 10)
- Does not need any drivers to operate

As development continues, the controller will be able to automatically set the best performing touch sensitivity during the auto setup function and will provide water rejection by working in an automatic mode that will allow it to sense what kind of water contamination is on the sensor and adjusting signal processing automatically to deal with it. The ARGON technology is also relevant to chip-on-flex. Though the controller chip may already be present for the sensor size, it would still need tuning software to set orientation, number of required touches, sensitivity, and other operational parameters associated with PCAP. Off-the-shelf distribution is therefore difficult for standard PCAP configurations as much of the time, the tuning has to be performed by the supplier and not the customer making most supplied product "custom". Argon does away with these impediments making stocking distribution practical. This allows for greater access particularly for small volumes.



“Projected Capacitive technology commands the lion’s share of the touch screen marketplace but it is public domain so anyone can produce it. It is also not the easiest technology to work with requiring many design considerations for successful integration.

In developing our next generation Projected Capacitive technology, we have released a derivative called ARGON which works with standard PCAP sensors and makes the technology available to the industry on the whole without any changes to PCAP sensor production or design. ARGON offers almost all the benefits of our MPC technology but without having to move to an MPC sensor design. We have removed almost all the Projected Capacitive design and integration difficulties and more importantly, we will secure the intellectual property rights to this new technology that everyone should want immediately based on its significant benefits. We don’t think anyone should any longer want to use conventional PCAP controllers with ARGON being widely available. Once commercially produced in volume and especially when moved to an ASIC, the cost will not be any more than conventional PCAP controller product. We expect ARGON to be a game changer in the touch screen market. Whoever obtains the ARGON intellectual property rights will likely dominate the market.”

- Albert David / CTO A D Metro

About A D Metro:

Established in 1988, A D Metro designs, manufactures and supplies innovative touch screen technology solutions for original equipment manufacturers (OEMs), system integrators and value added resellers. Everyday A D Metro's products are touched by millions of people around the world. Our ULTRA product line is the most durable resistive touch screen sensor available on the market and our projected capacitive (PCAP) touch screen solutions simplify design and accelerate time to market.

For touch screen solutions, ask the experts at A D Metro or visit our website at www.admetro.com.

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