



ShareSoc Seminar

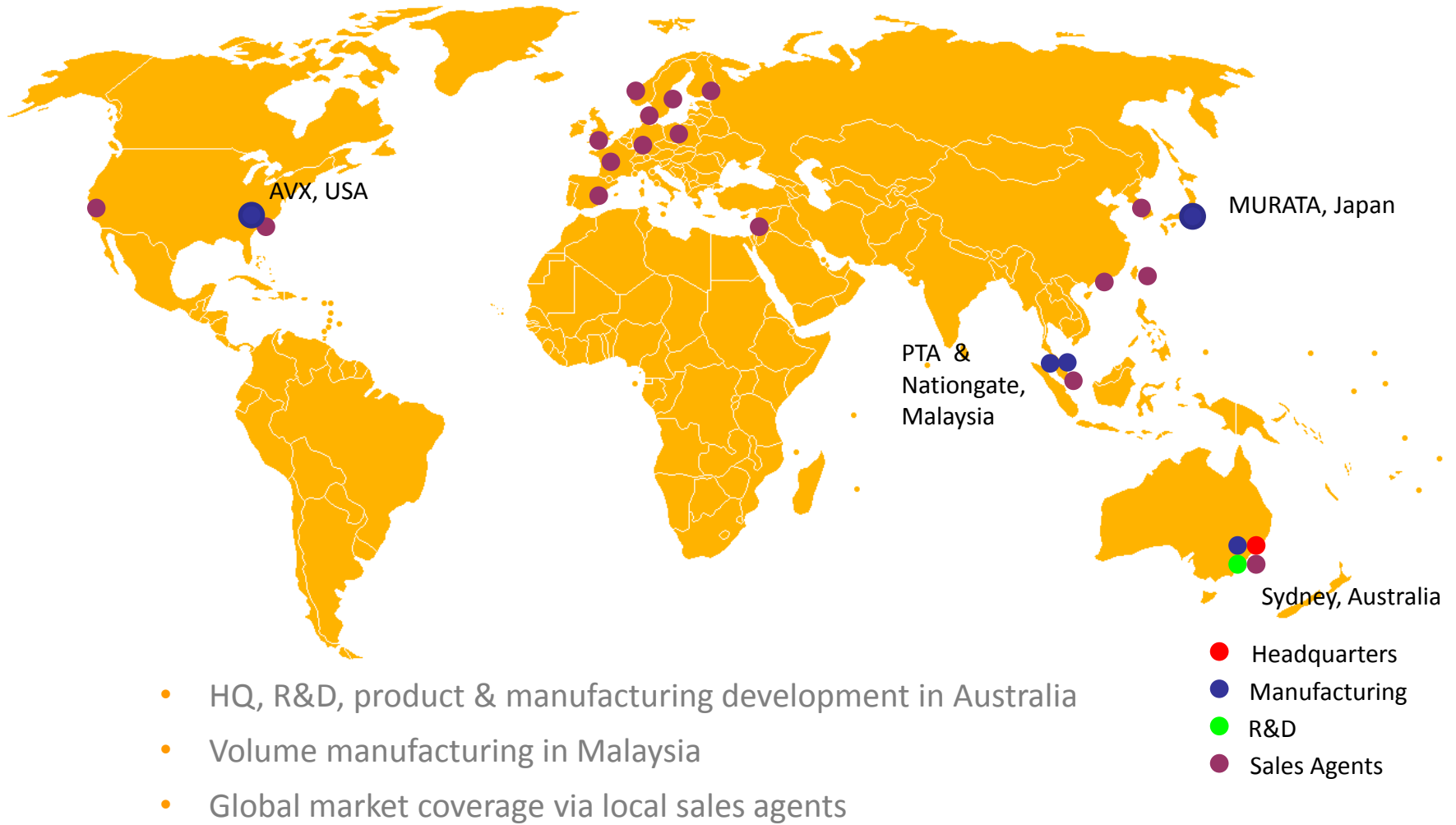
11th October, 2017

Anthony Kongats

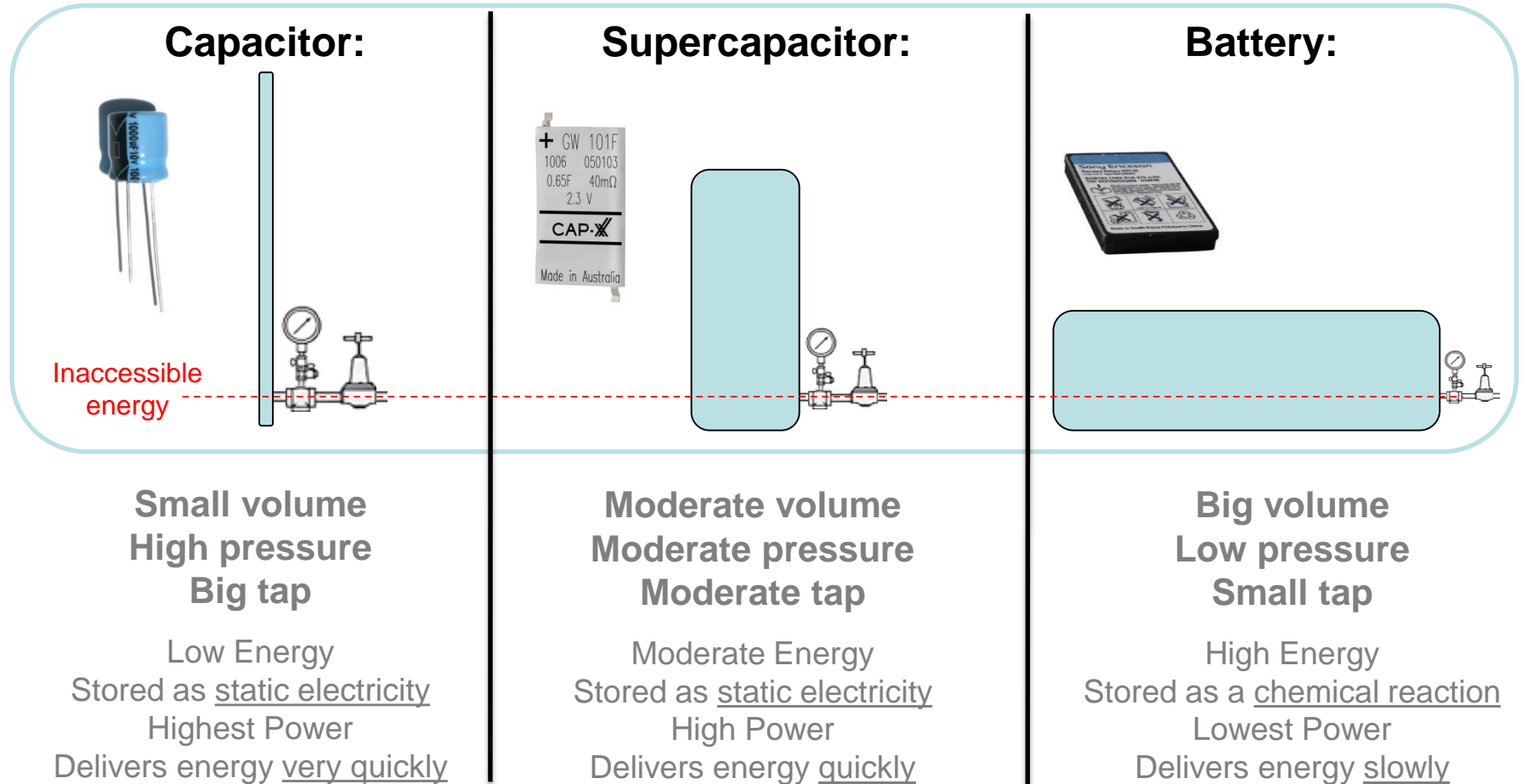
Chief Executive Officer

- This presentation and its enclosures and appendices (the “presentation”) have been prepared by CAP-XX Limited (the “Company”) exclusively for information purposes and does not constitute an offer to sell or a solicitation of an offer to buy any securities. This presentation has not been reviewed or registered with any public authority. This presentation is confidential and may not be reproduced, further distributed to any other person or published, in whole or in part, for any purpose. By viewing this presentation, you agree to be bound by the foregoing restrictions and the other terms of this disclaimer.
- The distribution of this presentation and the offering, subscription, purchase or sale of securities issued by the Company in certain jurisdictions is restricted by law. Persons into whose possession this presentation may come are required by the Company to inform themselves about and to comply with all applicable laws and regulations in force in any jurisdiction in or from which it invests or receives or possesses this presentation and must obtain any consent, approval or permission required under the laws and regulations in force in such jurisdiction, and the Company shall not have any responsibility or liability for these obligations.
- In the United Kingdom, this document is being communicated only to, and must not be passed either directly or indirectly to any person other than, (i) investment professionals within the meaning of Article 19(5) or (ii) persons falling within Article 49 (2)(a) to (d) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2001 (as amended) or other persons to whom this document may otherwise lawfully be intended for distribution (such persons together being referred to as “relevant persons”). In the United Kingdom this document must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is available only to relevant persons and will be engaged in only with relevant persons.
- The contents of this presentation are not to be construed as legal, business, investment or tax advice. Each recipient should consult with its own legal, business, investment and tax adviser as to legal, business, investment and tax advice.
- Although reasonable care has been taken to ensure that the facts stated in this presentation are accurate and that the opinions expressed are fair and reasonable, the contents of this presentation have not been verified by the Company or any other person. Accordingly, no representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information and opinions contained in this presentation, and no reliance should be placed on such information or opinions. Further, the information in this presentation is not complete and may be changed. Neither the Company nor any of its respective directors, officers or employees nor any other person accepts any liability whatsoever for any loss howsoever arising from any use of such information or opinions or otherwise arising in connection with this presentation.
- There may have been changes in matters which affect the Company subsequent to the date of this presentation. Neither the issue nor delivery of this presentation shall under any circumstance create any implication that the information contained herein is correct as of any time subsequent to the date hereof or that the affairs of the Company have not since changed, and the Company does not intend, and does not assume any obligation, to update or correct any information included in this presentation.
- This presentation includes and is based on, among other things, forward-looking information and statements regarding the Company's strategy, the demand for the Company's products and the growth and strength of certain target markets. Such forward-looking information and statements are based on the current expectations, estimates and projections of management or assumptions based on information available to the Company. Such forward-looking information and statements reflect current views with respect to future events and are subject to risks, uncertainties and assumptions. The Company cannot give any assurance as to the correctness of such information and statements.
- Operation of the Company involves risk, and several factors could cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements that may be expressed or implied by statements and information in this presentation, including, among others, risks or uncertainties associated with the Company's business, segments, development, growth management, financing, market acceptance and relations with customers, and, more generally, general economic and business conditions, changes in domestic and foreign laws and regulations, taxes, changes in competition and pricing environments, fluctuations in currency exchange rates and interest rates and other factors. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in this document. The Company does not intend, and does not assume any obligation, to update or correct the information included in this presentation.
- This presentation is subject to Australian law, and any dispute arising in respect of this presentation is subject to the exclusive jurisdiction of Australian courts.

- Global supercapacitor supplier founded in 1996
- Market leader in prismatic, high power supercapacitors
- Strong IP licensed to multinational suppliers Murata and AVX
- Customer applications in high growth markets
- 24 million cells sold to date
- HQ, product & manufacturing development in Sydney, Australia with volume manufacturing partner in Malaysia
- Admitted to the LSE AIM in 2006



The water tank is a useful way to compare energy storage systems



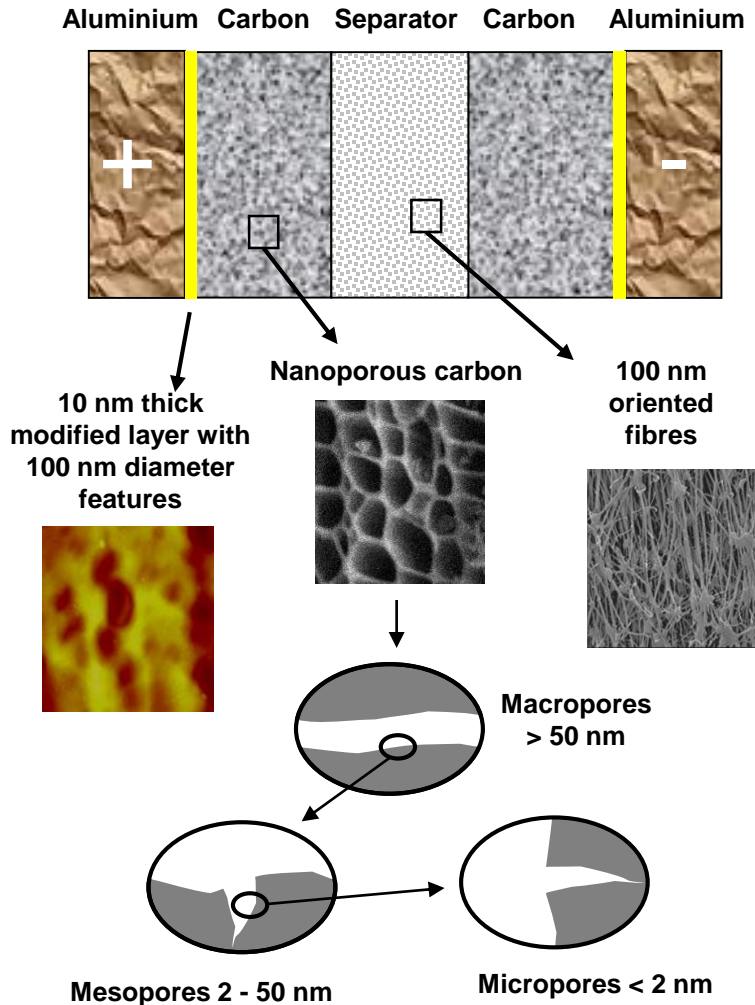
CAP-XX's competitive advantages

1. Nanotech materials,
2. Efficient packaging,
3. Clever electrochemistry,
4. Smart electronics &
5. Strong Patents



Yields products which are:

1. Thinner, flatter, smaller & lighter
2. Very high power (low ESR)
 - 10-100x more than a battery
 - Best in class
3. High energy (high capacitance)
 - 100-1000x more than a capacitor
 - Matched to class
4. High voltage & High peak temp
5. Low leakage current/charge current
6. Safe, reliable & long lasting



- Sales revenue of A\$4.1m down 17% year on year due to supplier issues previously announced
- Royalty revenue of A\$0.7m up 177% (2016: A\$0.2m)
- EBITDA loss of A\$1.2m (2016: A\$0.7m)
- Second of three upfront licence fees received from AVX along with guaranteed royalty payments
- A\$0.5m operational savings realised
- Average normalised cash burn for FY 2016/17 A\$79K/month
- R&D tax rebate from the Australian Tax Office of A\$1.5 million (2016: A\$1.5 million) expected October 2017
- Cash at 30th June 2017 A\$3.9m

- Achieved first high volume design win for the new *Thinline* product range, for a wearable tech product. Delivery to start 2017
- Increasing sales in IoT applications, especially wearable technology and energy harvesting
- Murata launched new lithium batteries and 0.4mm supercapacitors under expanded CAP-XX license
- AVX launched new products under license
- Large supercapacitor development focused on 3 large global automotive projects and 2 self funded automotive defence projects
- 3 new custom designed automotive products delivered to different customers for evaluation
- Significant progress in R&D and Operations



- Murata continues to be very active in the supercapacitor market
- The Board expects Murata royalties payments to continue to grow significantly
- Royalty audit to be completed by December
- AVX continues to be very active in the supercapacitor market
- The Board expects AVX royalties payments to continue to grow significantly
- Multiple other negotiations underway

CAP-XX Technology validated by Murata & AVX

Non-exclusive licences to Murata, Japan and AVX, USA

- Murata – small prismatic CAP-XX supercapacitors (<5F/cell) and small lithium–ion batteries (<50mAh)
- AVX – small to medium (1F to 1000F) prismatic and cylindrical CAP-XX supercapacitors
- Both paid up-front licence fees plus on-going royalties of 5-6%

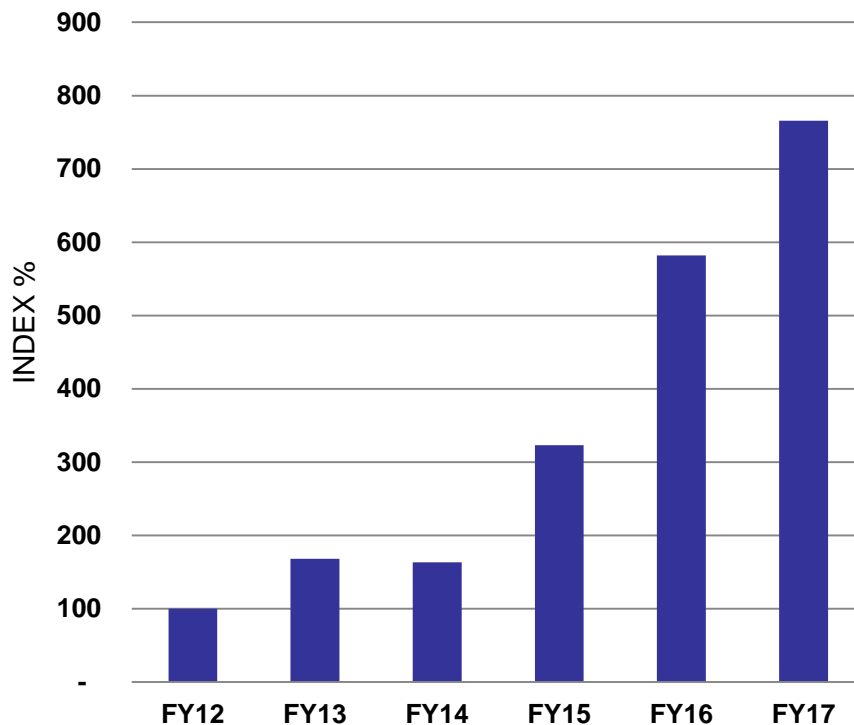


- Est.1944, Listed in Tokyo and Singapore
- Market Cap ¥3.66T, Sales ¥1.135T
- World's largest capacitor manufacturer
- Capacitor production exceeds 32K/second



- Established 1972, Listed on NYSE.
- Market Cap US\$3.1B, Sales US\$1.3B
- One of the World's largest capacitor and component manufacturers

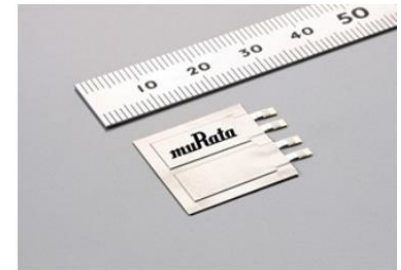
Murata Royalty - FY12 - FY17



Murata introduces DMH supercapacitor featuring world's lowest profile of 0.4mm

1/5/2017

Murata Manufacturing Co., Ltd.
President/Statutory Representative Director:
Tsunao Murata



Overview

Murata Manufacturing Co., Ltd. has introduced the DMH Series, the world's lowest profile 0.4mm supercapacitor. The product is for peak power assist, as required in wearables applications and various other devices.

- CAP-XX licensed patents to AVX on a non exclusive basis for certain supercapacitors and applications
- CAP-XX receives licence fees over a three year period and a royalty on AVX sales
- Upfront fees of £2m received
- New AVX products launched
- AVX paying minimum of £65K per quarter

New 9.0V SCM Series Supercapacitor Modules



Connected Supercapacitors



This new series of electrochemical, double-layer, series-connected supercapacitor modules offers excellent pulse power handling characteristics based on the combination of very high capacitance and very low ESR. Used by themselves or in conjunction with primary or secondary batteries, they provide extended back up time, longer battery life, and provide instantaneous power pulses as needed. Offers great solutions to Hold Up, Energy Harvesting, and Pulse Power Applications.

FEATURES

- High pulse power capability
- Low ESR
- Low Leakage Current

APPLICATIONS

- Camera Flash Systems
- Energy Harvesting
- GSM/GPRS Pulse Applications
- UPS/Industrial
- Wireless Alarms
- Remote Metering

New 16V SCM Series Supercapacitor Modules



Connected Supercapacitors



This new series of electrochemical, double-layer, series-connected supercapacitor modules offers excellent pulse power handling characteristics based on the combination of very high capacitance and very low ESR. Used by themselves or in conjunction with primary or secondary batteries, they provide extended back up time, longer battery life, and provide instantaneous power pulses as needed. Offers great solutions to Hold Up, Energy Harvesting, and Pulse Power Applications.

FEATURES

- Low ESR provides high efficiency and high power density
- Withstands high vibrations and

APPLICATIONS

- Heavy industrial equipment
- Grid storage
- UPS/Industrial systems

New 48V SCM Series Supercapacitor Modules



Connected Supercapacitors



This new series of electrochemical, double-layer, series-connected supercapacitor modules offers excellent pulse power handling characteristics based on the combination of very high capacitance and very low ESR. Used by themselves or in conjunction with primary or secondary batteries, they provide extended back up time, longer battery life, and provide instantaneous power pulses as needed. Offers great solutions to Hold Up, Energy Harvesting, and Pulse Power Applications.

FEATURES

- Low ESR provides high efficiency and high power density
- Withstands high vibrations and high current applications
- Life time capable of millions of cycles
- Active cell balancing

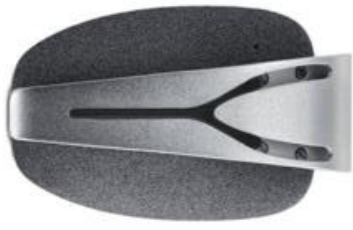
APPLICATIONS

- Heavy industrial equipment
- Grid storage
- UPS/Industrial systems
- Regenerative energy capture
- Pitch control

HOW TO ORDER

SCM	190	413	P	167	Z	L	B
Series SupCap Module	Width 190mm	Length 413mm	Voltage Code P = 48V	Capacitance Code 167 = 165F	Tolerance Z = +10% -20%	Lead Format L = Screw Lugs	Package B = Bulk

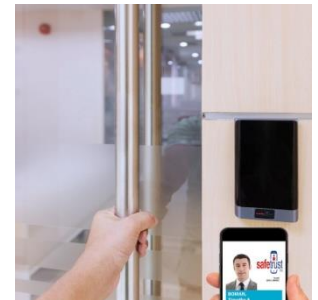
- **Smart Clothing:** Supercapacitor stores energy from energy-producing textiles and provides peak power to collect and transmit information
- **Alzheimer Patient eCall Wristband:** Supercapacitor provides peak power for RF transmission
- **Automated drug delivery pumps:** Supercapacitor provides peak power to the ultra-precise disposable pump-chip
- CAP-XX is already making sales.
- First large volume order for US\$400K received
- Enquiry level and bid activity greatly increased
- Volumes expected to grow significantly in 2018



- **Building Control Systems:** Use Supercapacitor to store energy from solar, motion, RF and thermal transducers to power wireless sensors and actuators for lighting, air-conditioning, security and access control systems
- **Industrial Control & Monitoring Systems:** Use Supercapacitor to store energy from solar, motion, RF and thermal transducers to power wireless sensors and actuators
- CAP-XX is already making sales to customers
- Enquiry level and bid activity greatly increased



- **Contactless Smart Credit Cards:** Use Supercapacitor to store energy from nearfield RF reader and provide power for data transmission
- **Contactless Biometric Security Cards:** Use Supercapacitor to store energy from nearfield RF reader and provide power for on board processing and data transmission
- **RFID Tracking Tags:** Use Supercapacitor to store energy from nearfield RF reader and provide power for data transmission
- Market for 0.6mm supercapacitor based devices is estimated by CAP-XX at 10m+ units pa. Based on customer feedback CAP-XX estimates that the market opportunity grows by an order of magnitude at 0.35mm. Products is under development
- CAP-XX already has sales and expects volumes to increase



- **Wireless Electricity Meters:** Backup power to report power failure
- **Wireless Gas meters:** Peak power to modem for RF transmission of data & backup power for failure messaging & emergency valve operation
- **Wireless Water meters, Flow Meters, Leakage & Level Monitors:** Peak power to modem, backup power for failure messaging & graceful shutdown
- CAP-XX already has sales and expects volumes to increase



- Large scale sales opportunities for automotive supercapacitors progressing
- Focused on 3 large global automotive projects for trucks and passenger vehicles
- These will require JV or other investment in manufacturing capacity
- Customer says CAP-XX has strong technical solution
- truckStart module further improved
- 3 new automotive products delivered to customers
 - 48V module for hybrid vehicles with lithium ion batteries
 - 12V module for stop-start, acceleration, and regenerative energy capture
 - 12V module for stop-start and support for vehicle electronics
- Recognised by SAE-A for engineering overall excellence for automotive module



- New cylindrical products launched to meet customer requests
- CAP-XX estimates that the potential market for cylindrical supercapacitors is currently over 10x the size of the market for small prismatic supercapacitors
- CAP-XX brings brand, performance and distribution advantages
- CAP-XX expects the availability of a more complete product line-up to increase cross-selling of prismatics
- Several opportunities already being addressed



CAP-XX Dual Cell Supercapacitors

Unparalleled combination of performance

The CAP-XX dual cell supercapacitor range provides excellent peak power performance at a very competitive cost.

Each GY25R4 series module provides excellent peak power performance at a very competitive cost. The GY25R4 series provides the power performance in a range of consumer and industrial applications.

When used in conjunction as an energy harvester, the GY25R4 series of cylindrical supercapacitors enable extended back up time, longer battery life, and the provision of peak power as required.

Main Features

- High pulse power capability
- Low ESR
- Low leakage current

Applications

- Energy harvesting for wireless sensors
- Energy harvesting for wireless HVAC sensors and actuators
- Peak power support for GSM/GPRS transmission
- Last gasp power for remote meter status transmission
- Peak power support for locks and actuators
- Peak power support for portable drug delivery systems
- Short term bridging power for battery hot swaps

www.CAP-XX.com



CAP-XX Single Cell Supercapacitors

Unparalleled combination of performance and value

The CAP-XX single cell supercapacitor range provides excellent peak power performance at a very competitive cost.

Excellent peak power delivery in a single cell supercapacitor

The new CAP-XX GY12R7 range of cylindrical supercapacitors provide excellent pulse power handling characteristics resulting from the combination of very high capacitance and relatively low ESR.

The GY12R7 series provides a cost-effective solution to solve the power performance limitations of low power batteries in a range of consumer and industrial applications.

When used in conjunction with a low power energy source such as an energy harvester and/or low power battery, the CAP-XX GY12R7 series of cylindrical supercapacitors enable extended back up time, longer battery life, and the provision of peak power as required.

Main Features

- High pulse power capability
- Low ESR
- Low leakage current
- Long life
- Meet environmental standards for disposal and operation (RoHS)

Applications

- Energy harvesting for wireless sensors
- Energy harvesting for wireless HVAC sensors and actuators
- Peak power support for GSM/GPRS transmission
- Last gasp power for remote meter status transmission
- Peak power support for locks and actuators
- Peak power support for portable drug delivery systems
- Short term bridging power for battery hot swaps

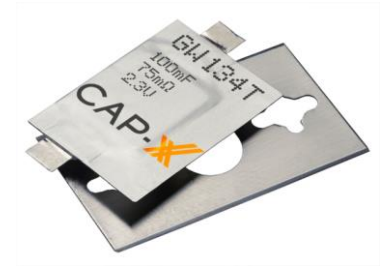
www.CAP-XX.com



Multiple collaborative agreements signed with global Research and Aerospace organisations

Significant progress made in last year

- Increased prismatic cell voltage – target is 3V+
- Reduced product costs
- Reduced Equivalent Series Resistance (ESR) of prismatic cells
- Longer life
- Improved performance at high temperatures



- Achieved first high volume design win for the new *Thinline* product range, for a wearable tech product. Delivery to start 2017
- Increasing sales in IoT applications, especially wearable technology and energy harvesting
- Murata launched new lithium batteries and 0.4mm supercapacitors
- AVX launched new products under license
- Large supercapacitor development focused on 3 large global automotive projects and 2 self funded automotive defence projects
- 3 new custom designed automotive products delivered for evaluation
- Recognised by SAE-A for engineering overall excellence for automotive module



CAP-XX

For more information, contact:
Anthony Kongats, Chief Executive Officer
Anthony.Kongats@cap-xx.com

or visit us at:
www.cap-xx.com

