

**Smartare  
Elektroniksystem**

ELECTRONIC COMPONENTS & SYSTEMS

# Smarter Electronic Systems

## -a strategic innovation programme to strengthen competitiveness of Swedish electronics sector

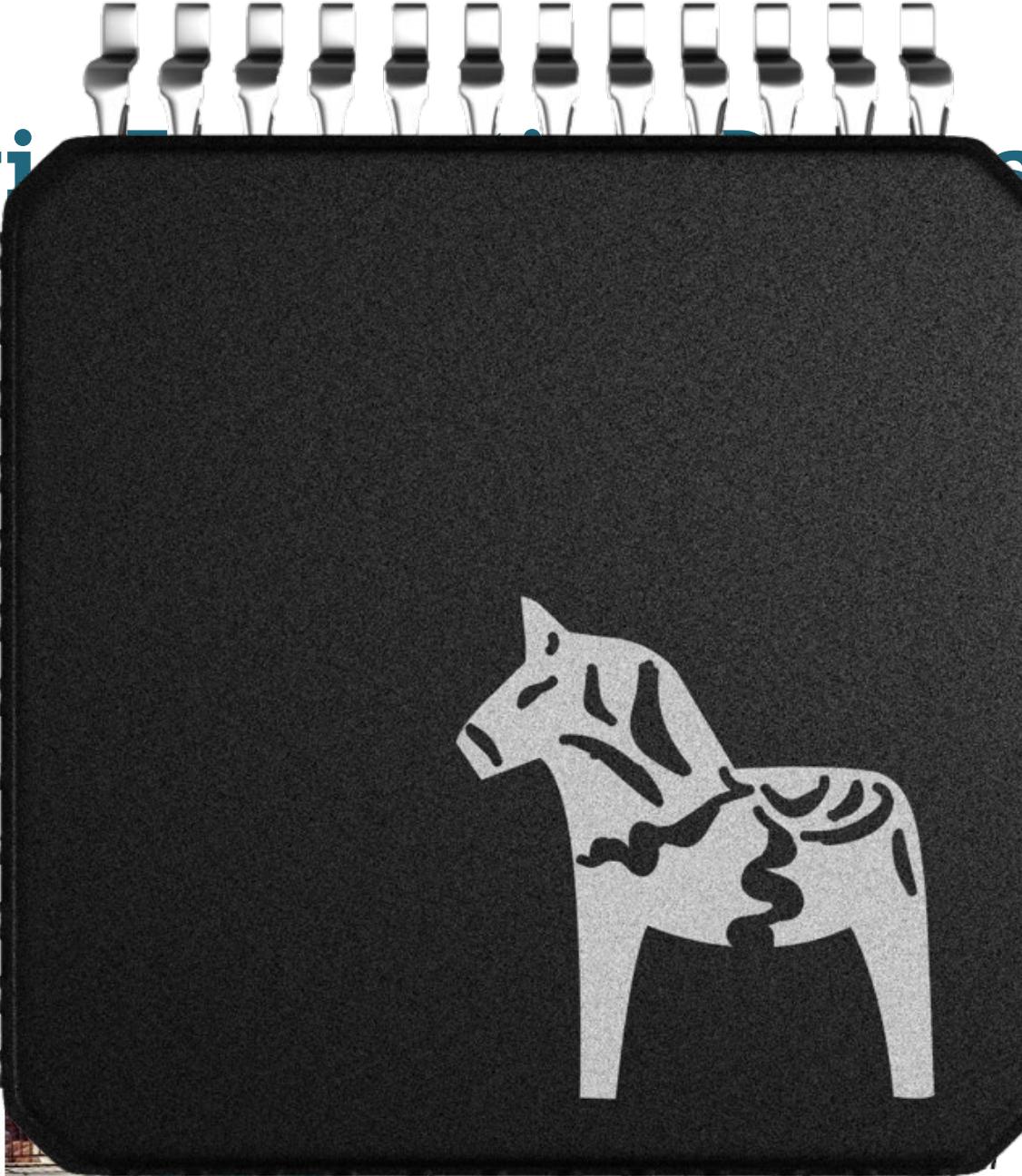
Thorbjörn "TOBY" Ebefors, acting program manager  
[Thorbjorn.Ebefors@smartareelektroniksystem.se](mailto:Thorbjorn.Ebefors@smartareelektroniksystem.se)

Med stöd från



Strategiska  
innovations-  
program

# Strategi Programmes



# Strategic innovation areas

With support from



Strategic  
innovation  
programmes

- Cooperation Industry - public sector - Academia (PPP)
- Strategic research and innovation agendas
- Strategic innovation programme

SES Founded in 2014 and running to 2026:  
+ ~70 companies, total 107 organisations

+ adding >350 new  
organisations (Large Corps and  
SME and ROTs) through-out  
2014-2022 calls



# **Smarter Electronic Systems (SES)**

## **– a Swedish ECS partnership program**

- Cooperation Industry - Public sector - Academia

### **Vision**

**”by 2025 Swedish electronic systems enable a world-class Swedish industry ”**

### **3 challenges**

- Increased cooperation and efficiency in the **value chains**
- Further developed Swedish **excellence**
- Secure the **provision of skills**

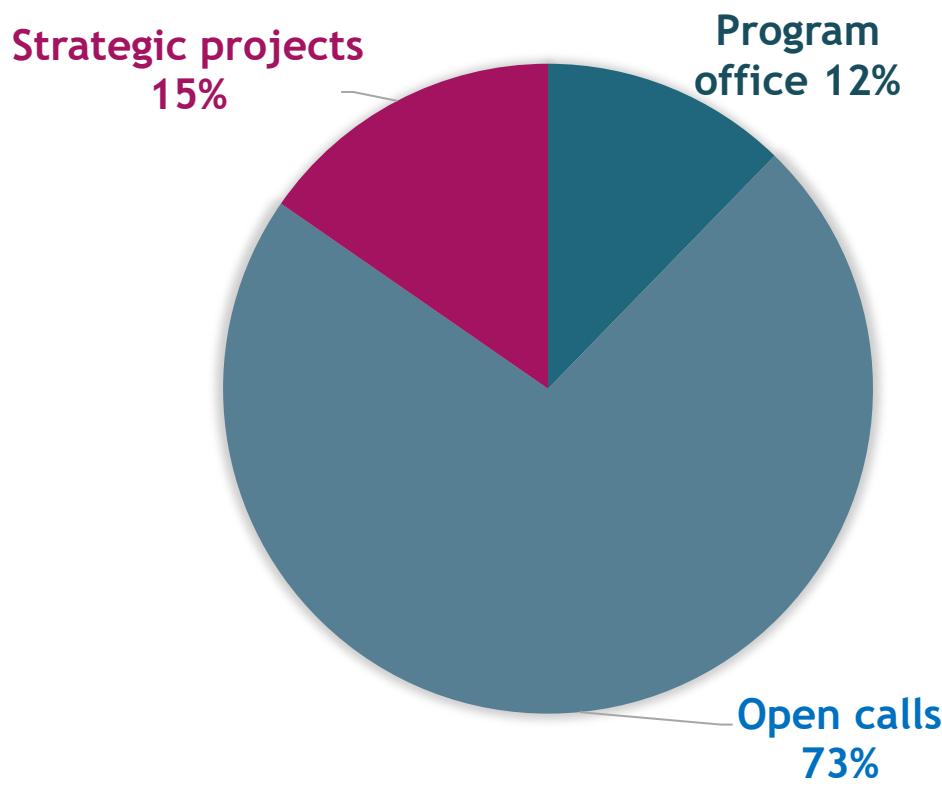


# Excellence

- Areas of Excellence
  - micro-nano electronics
  - power electronics
  - antenna, microwave and terahertz system
  - Sensors
  - photonics
  - printed electronics
  - embedded technology
- Focus areas
  - electronics packaging
  - reliability
  - advanced manufacturing technology
  - Energy efficiency
    - green sustainable electronics
  - Embedded intelligence

# Our tools

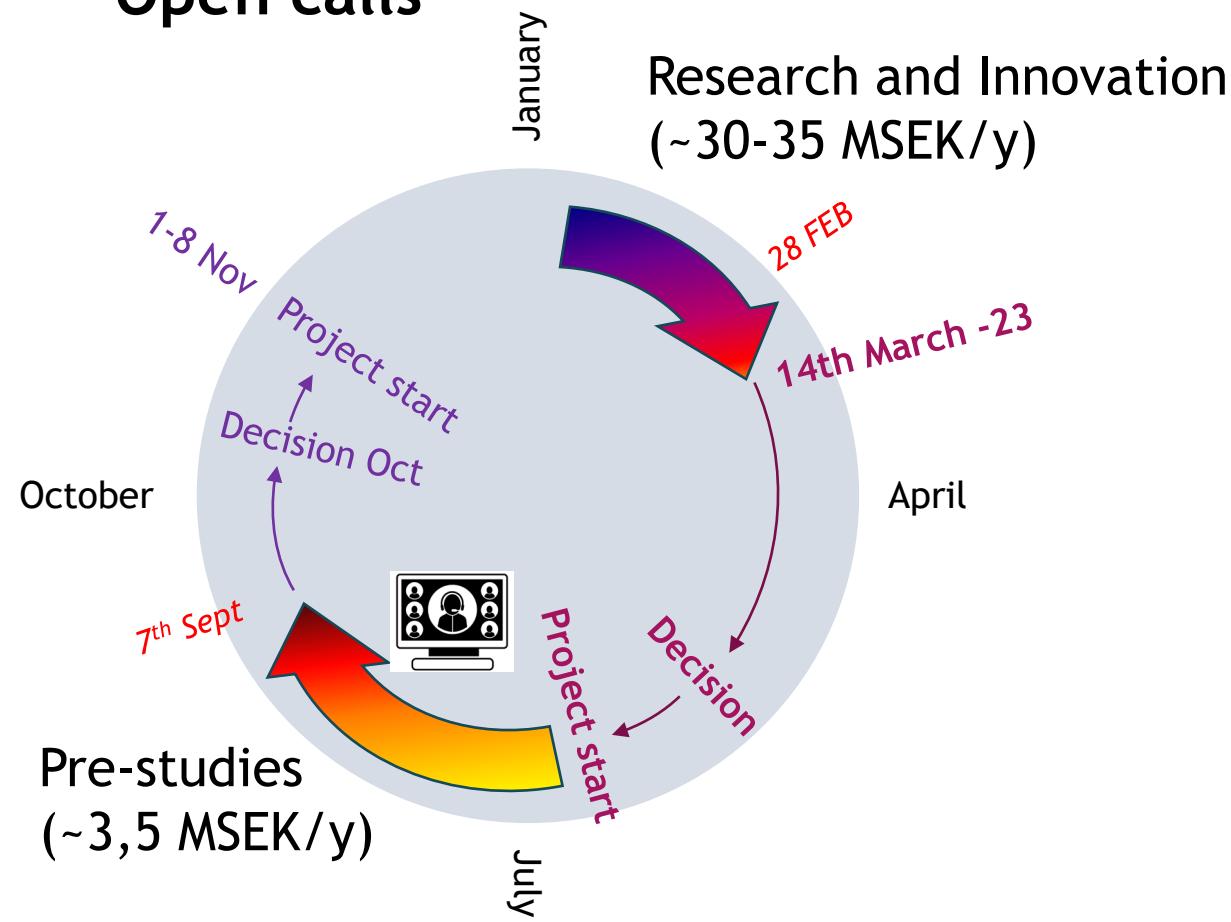
- Yearly budget ~4,5 M€



- Program office
    - ~3(4) persons
    - OutReach project: Conferences, seminars, fairs
    - Reports and lobbying
    - Managing strategic projects
    - Internationalization
  - Strategic projects
    - Activities of interest for many
    - E.g. Testbed for printed electronics and *Smartare Elektronikhandboken*
  - Biannual open calls through Vinnova
    - Pre-studies (~3-5 MSEK/year)
    - Innovation projects (~30-40 (50) MSEK/year)
- next call opens Jan'23 | deadline March'23

# Public funding for projects

## Open calls



## Next opportunities

### Research and Innovation projects SES2022:02

- Open January 2023
- Deadline 14 March 2023

### Feasibility studies SES2023:02

- Open June 2023
- Deadline Sept 2023

# Projects in open calls should contribute to achieve:

- Sustainable and profitable growth in Sweden and Swedish industry
- Strengthen industrial international competitiveness
- Swedish electronics systems contribute to transition towards a sustainable society - Contribution to SDG (AGENDA 2030 !)
  - energy efficiency
  - sustainable environment and health
  - growing population





Forming ~625 SWE ECS project proposals 2014-22

# MISSION

**STRENGTHEN  
SWEDISH ECS COMPANIES PARTICIPATION IN  
INTERNATIONAL (EU FUNDED) PROJECTS**

**PROMOTE ECS PROJECTS TO GO INTERNATIONAL**

**COLLABORATION WITH OUR SISTER ORGANIZATIONS WITHIN  
THE ECSEL/KDT MIRROR GROUP NETWORK**

# **Smartare Elektroniksystem**

ELECTRONIC COMPONENTS & SYSTEMS



## **CONTACT:**

**[www.smartareelektroniksystem.se](http://www.smartareelektroniksystem.se)**

**acting program manager  
responsibilities for Int'l activities:**

**Dr. Thorbjörn “TOBY” Ebefors**

**[Thorbjorn.Ebefors@smartareelektroniksystems.se](mailto:Thorbjorn.Ebefors@smartareelektroniksystems.se)**



Thank you!

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