

ModArt Project Goals:

- **To develop Principles, Methods and Tools for Parts Manufacturing including follow up systems for continues improvement at the Factory Floor as well as the Engineering Offices by using Digital Models.**
 - **Generic and configurable production development processes based on the demands from the manufacturing industry.**
 - **Software from several leading suppliers are used.**
 - **Digital models in international standard and native formats of Parts, Tools, Production Equipment and Factories are used as input/output between systems.**
 - **Demonstrations and Pilots at KTH and Scania.**
- **To develop user friendly and powerful engineering manuals “Pilots” to support and guide Engineers in Industry as well as Teachers at R&D and Education Organisations.**



ModArt Partners

Manufacturing and Engineering Companies



ITT Flygt AB



AB Norrahammars Mekaniska Verkstad



AB Sandvik Coromant



Haldex Brake Products AB



Epsilon HighTech Innovation AB



IT providers

Eurostep AB



Dassault Systemes AB



MicroTech Systemutveckling AB



Research and standardisation

KTH Industriell produktion



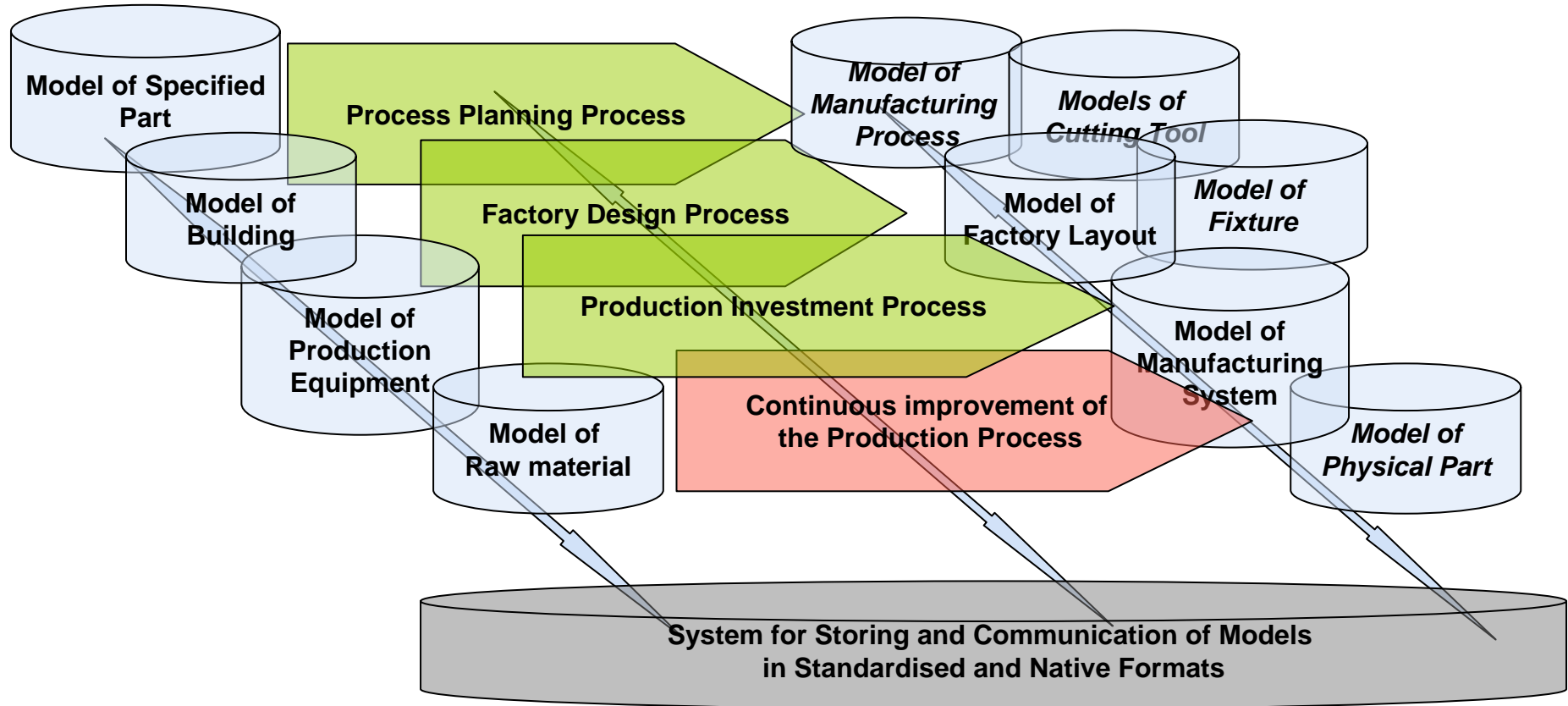
IVF Industriforskning och utveckling AB



SIS

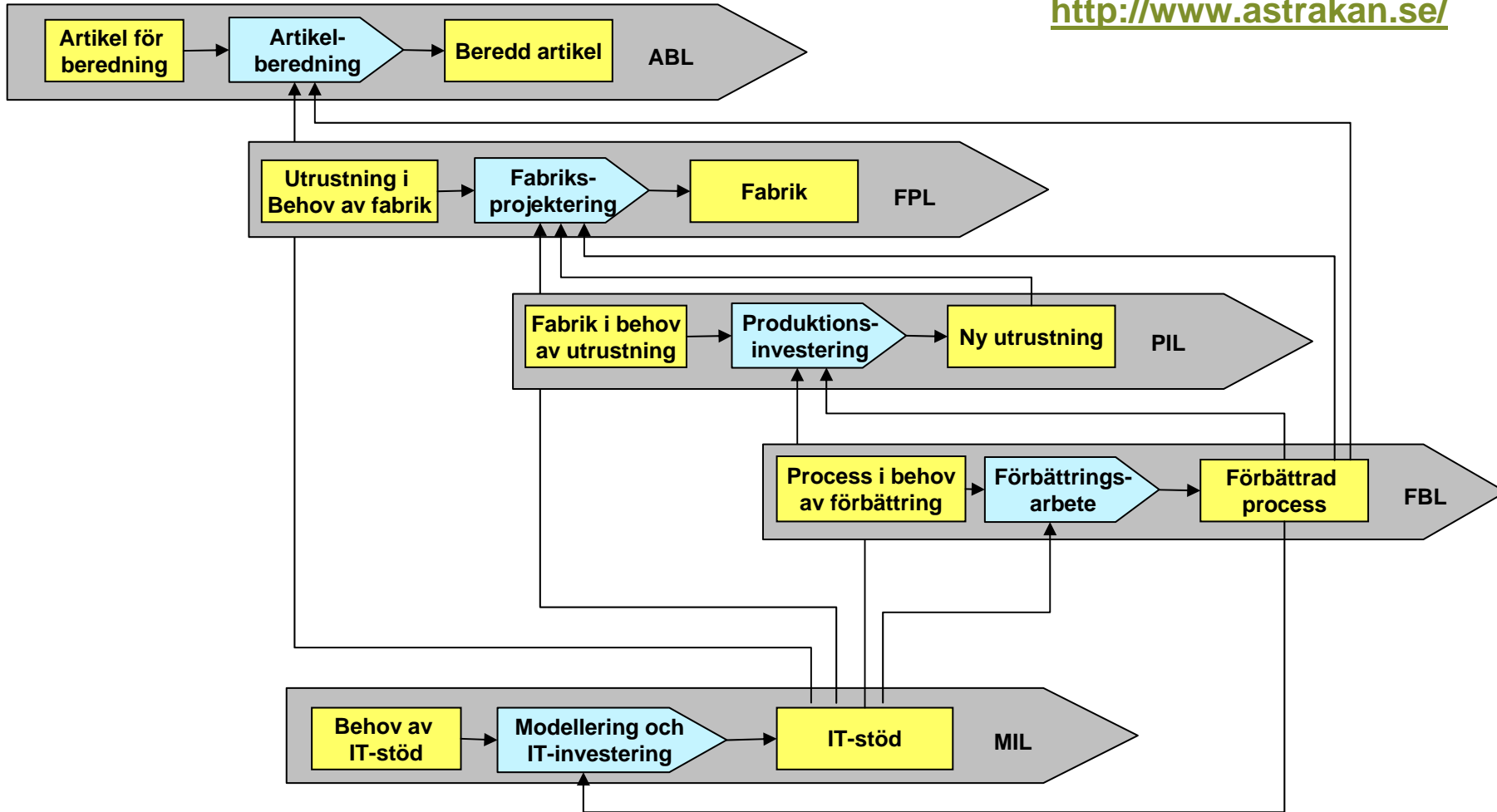


Models of parts and production resources are used as input/output in the production development processes as well as carrier of experience and knowledge.



The industrial development processes and the relations between these processes are described in Astrakan models.

<http://www.astrakan.se/>



"PILOTS" will make it easy to implement and use the results

Pilot = Lots (*Swedish for Pilot at a Ship*)

ABL -ArtikelBeredningsLotsen (Process Planning Pilot)

FPL - FabriksProjekterings Lotsen (Factory Design Pilot)

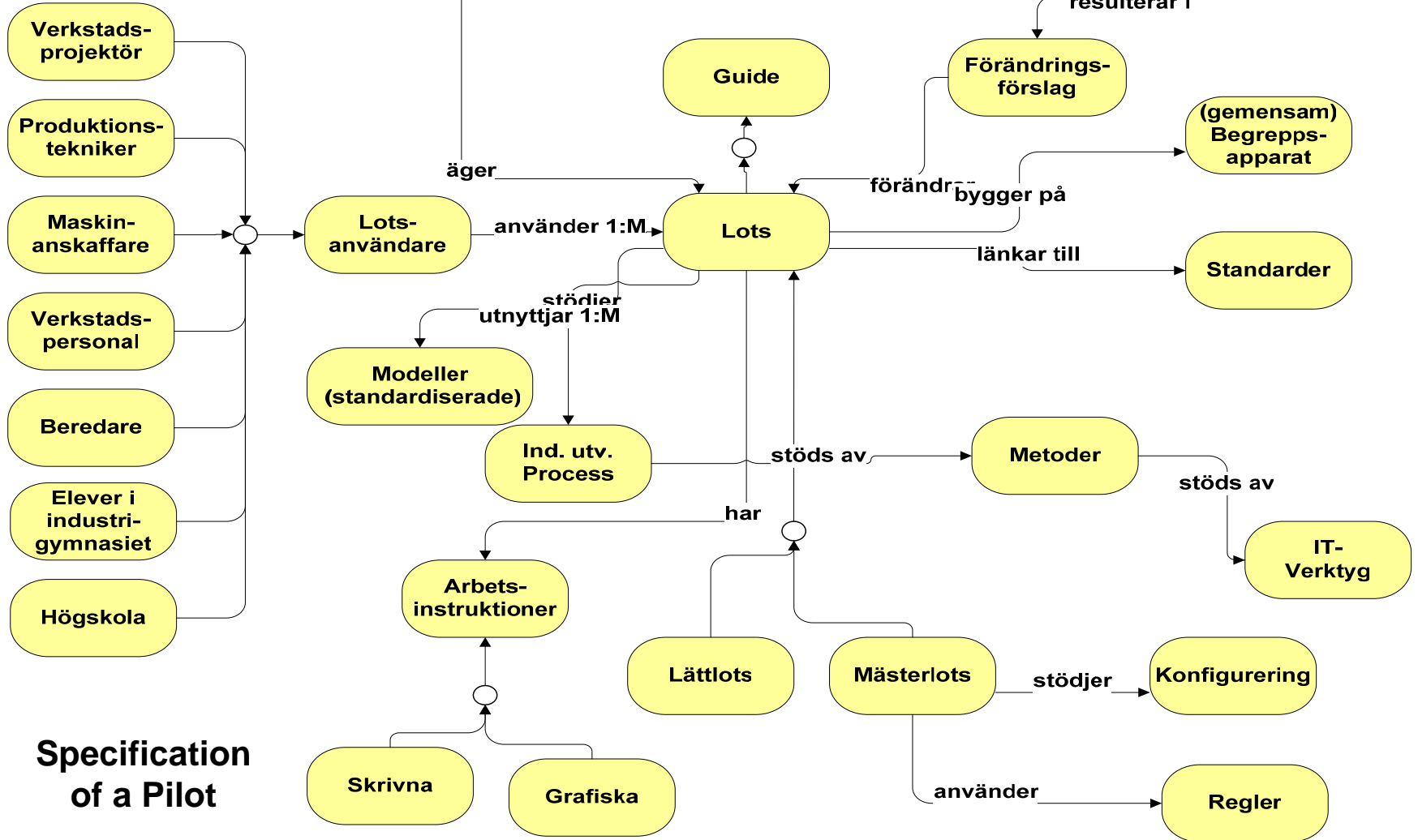
PIL – ProduktionsInvesteringsLotse (Production Equipment Investment Pilot)

FBL - FörBättringsLotsen (Continuous Improvement Pilot)

MIL Modellerings- och IT-Lotsen (Modelling and Investment Pilot)



Syfte: definiera LOTS baserat på de identifierade begreppen



Specification of a Pilot



PIL - ProduktionsInvesteringsLotsen - Microsoft Internet Explorer

Arkiv Redigera Visa Favoriter Verktyg Hjälp Adress <http://127.0.0.1/pil2/index.aspx> Gå till Länkar

PIL ProduktionsInvesterings Lotsen

Hem | Lotsen | Konfigurera | Hjälp Logga ut

Start -> Förstudie -> **Specifikation** -> Upphandling -> Leveransbevakning -> Installation -> Uppföljning

Aktuell konfiguration ▾

Leveransbevakning

- ▣ Slutprojektering
 - ▣ 1 Slutprojektering
 - ▣ 2 Besiktning
 - ▣ 3 Layout
 - ▣ 4 Anläggning
 - ▣ 5 CE-märkning
 - ⊕ Mallar
 - ⊕ Metoder & föreskrifter
- ▣ Leveranstest
 - ▣ 1 Provkörning
 - ▣ 2 Resultatredovisning
 - ⊕ Mallar
 - ⊕ Metoder & föreskrifter

PIL / Lotsen / Leveransbevakning / Slutprojektering Utskriftsversion

Leveransbevakning

Ritningsunderlag

Urustningen klar för leveranstest

Urustningen godkänd för leverans

SLUTPROJEKTERING

LEVERANSTEST

Säkerställa att utrustningen byggs på rätt sätt och att tidplanen håller

Säkerställa att utrustningen uppfyller ställda krav och är klar för installation

Slutprojektering

Syfte
Fasens huvudsyfte är att säkerställa att leverantörernas teknik samt att tidplanen hålls.

Underlag

- [Ritningsunderlag](#)

Dokument för arkivering

<http://pil.iip.kth.se>

Internet

Start Planer och Projektbes... 4 Microsoft PowerPoint ModArt_projektbeskri... Projektbeskrivning1 - ... PIL - ProduktionsIn... 22:35

STEP 1 mainly 2006:

The future needs is described

1. Real parts from industry are used as reference
2. Common methods for modelling are used
3. Generic and configurable development processes are developed
4. Generic information and data models are defined/developed

STEP 2 mainly 2007 :

The future systems is specified

1. IT Systems on the market are evaluated.
2. Existing standards are evaluated.
3. Existing technology for system integration is evaluated.
4. Proposal for the future systems is specified:



STEP 3 mainly 2008 : Implementation and information

1. Pilots in "light version Pilots" for Education
2. Advanced Configurable Pilots for application in industry
3. Demonstration and evaluation of installations
4. Seminars and Conferences



Visit ModArt Homepage

<http://modart.iip.kth.se>

